Your

customers have a vision,
you have a challenge
and Fluid Management has the answer.
Fluid Management is a global leading manufacturer
of mixing and tinting equipment, plus specialized equipment
for a variety of industries that include home improvement, food,
chemical, and cosmetics. Located in Wheeling Illinois, Fluid Management
is a United States owned and operated company
with historical roots dating back to 1927. In 1996, Fluid joined the IDEX
Corporation as it prepared to address the changing
business environments of the 21st century.

As industry leaders, Fluid Management provides trend setting creative
initial design through comprehensive equipment selections. FM Direct,
Fluid Management's after-sales service is one of a kind. FM Direct
technicians are Fluid Management employees, trained to understand our
products like no one else. Fluid Management strives for close teamwork
with our customers.

The combination of leading edge technology, world class service and
support, and a company prepared for the future technological trends
of an ever changing business environment makes Fluid Management
the ideal partner. Thank you for putting your trust in Fluid Management
products. We will help you with services that will help you serve your
valued customers.

© 2007 Fluid Management, All rights reserved.

Under the copyright laws, this material may not be copied, in whole or in part, without the written consent of Fluid Management.

Your rights to the software are governed by the accompanying software license agreement.

The Fluid Management logo is a trademark of Fluid Management, registered in the U.S. and other countries. Use of the Fluid Management logo for commercial purposes without the prior written consent of Fluid Management may constitute trademark infringement and unfair competition in violation of federal and state laws.

Every effort has been made to ensure that the information in this manual is accurate. Fluid Management is not responsible for printing or clerical errors.

Fluid Management

1023 Wheeling Rd.

Wheeling, IL. 60090

800-462-2466

http://www.fluidman.com

Fluid Management, the Fluid Management logo, FM Direct, ColorPro™, DVX®, Miller, and Harbil are trademarks of Fluid Management, registered in the U.S. and other countries.

Published in the United States.

Mention of third-party products is for informational purposes only and constitutes neither an endorsement nor a recommendation. Fluid Management assumes no responsibility with regard to the performance or use of these products.

What's next?

ACCUTINTER 1500

Once you've installed your Accutinter 1500 series dispenser, what's next? In this booklet, you'll find more information to help you get the most from your new Fluid Management Accutinter 1500.

Table of Contents:

5 Safety
8 Getting to Know Your Accutinter 1500
12 Getting Started
13 Installing Your Accutinter
23 How to dispense
25 Learning About ColorPro™
44 Maintenance, Care and Use
49 Troubleshooting
55 Service
56 Replacement Parts

Property of Fluid Management
© Copyright 2007 Fluid Management as an unpublished work all rights reserved. This material cannot be copied or disclosed to others without the prior written permission of: Fluid Management, 1023 Wheeling Rd., Wheeling, IL., 60090-5776 USA

Contents

Important safety information

5 Safety Precautions

7 Safety and Operational Labels

7 General safety information for servicing your Accutinter

Getting to Know Your Accutinter 1500

8 Technical specifications

10 Accutinter 1500 Features

11 ColorPro™ Features

12 Tips to help you get started

Getting Started

13 Installation

15 Connecting to the computer

19 Filling the canisters for the first time

Basic Operation

22 Using the shelves

23 Dispensing from ColorPro™ Formula Book

24 Dispensing from ColorPro™ Manual Dispense

Welcome to ColorPro™

25 Overview of ColorPro™ and ColorPro™ Professional

27 Using the Dispense menu

35 Using the Maintenance menu

38 Using the Customize menu

42 Using the Utilities menu

Contents

Maintenance, Care, and Use

44 Care of your Accutinter 1500
45 Cleaning the nozzle closer
47 Filling the colorant canisters
69 Maintenance accessories

Service

55 Service technician locations
56 Ordering information and replacement parts
57 Calling for service
70 Warranty information

Enhancing your Accutinter

57 Purchasing upgrades

Troubleshooting

35 Purging and cleaning the lines
37 Using ColorPro™ Test
49 Mis-tints
50 Nozzle closer
53 ColorPro™
54 Printing problems
55 Locating your product's serial and model number

Important safety information

WARNINGS

This machine draws 0.5 Amp at 120 ± 10% VAC.

Do not modify the provided plug.

Improper use of grounding plug can result in risk of electric shock.

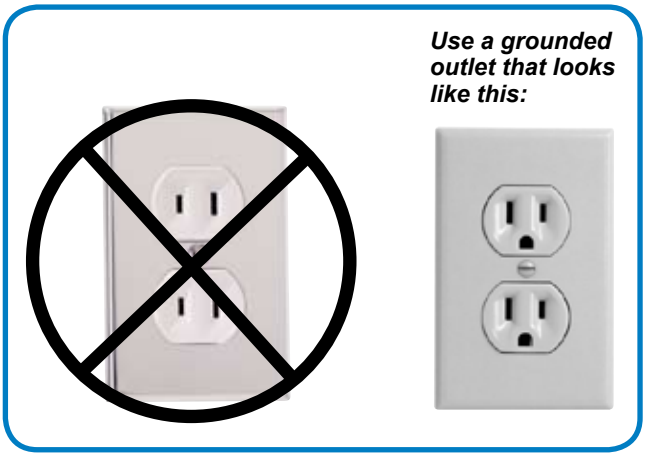
Grounding

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electrical shock by providing an escape for the electric current. This product is equipped with a cord that has a grounding wire and an appropriate grounding plug. The plug must be inserted into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER

Improper installation of the grounding plug can result in a risk of electric shock. If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The insulation wire with green or green and yellow stripes on the outer surface is the grounding wire.

Check with a qualified electrician if the grounding instructions are not completely understood, or if in doubt about whether the product is properly grounded. *Do not modify the plug provided.* If it will not fit into the outlet, have the proper outlet installed by a qualified electrician.



NOTE!

This product is for use on a dedicated nominal 115 Volt (US only) circuit that has a grounding plug.

Cautions

Check with a qualified electrician or service person if grounding instructions are not completely understood or if in doubt as to whether product is properly grounded.

Do not use an adapter or extension cord with this product.

This unit must be plugged into a dedicated electrical line.

To reduce the risk of electric shock or injury, use indoors only.

About this manual

How to use this manual

This *End User Guide* is organized into nine sections. Each section provides detailed information on Accutinter 1500 series topics and provides a basic reference to help you with specific issues.

This *End User Guide* provides the information for installing your Accutinter 1500, dispensing for the first time, and using ColorPro™. This publication also includes basic troubleshooting suggestions, replacement parts, Customer Support Services, frequently asked questions, daily and preventative maintenance procedures, and warranty information.

Your Accutinter 1500 dispenser includes detailed illustrated labels located inside the top cover of the machine on how to clean the nozzles. You can also find these instructions in this guide on pages 45-46. Follow these directions for the best performance of your machine.

The ColorPro™ application includes a basic help tool in the **Help** menu called **Using ColorPro**.

You can start the **Using ColorPro** program by clicking the **Help** icon on any screen from the ColorPro™ desktop.

If you have internet access, the most current information for your Accutinter 1500 is available from the worldwide web at

http://www.fluidman.com

For your safety

Customer safety is important. Our products are designed to be safe and effective. However, dispensers are electrical equipment. The Accutinter line is safe, fast, and reliable - designed to bring you many years of operation. There are precautions you can take to avoid damage to the equipment or bodily injury before operating. By carefully following the instructions in this document and the warning and maintenance labels on the machine, you can help protect yourself from hazards and create a safer work environment.

Equipment can become damaged due to misuse or neglect. Some product damage is serious enough that the product should not be used again until it has been inspected and, if necessary, repaired by a Fluid Management authorized service technician. As with any electronic device, pay close attention to the dispenser when it is turned on. On very rare occasions, you might notice an odor or see a puff of smoke or sparks come from your machine. Or you might hear sounds like popping, cracking or hissing. These conditions might mean that an internal electronic component has failed in a safe and controlled manner. Or, they might indicate a potential safety issue. Do not take risks or attempt to diagnose the situation yourself.

Safety Precautions

1. *Read this manual and all warning labels before using the machine. Read and adhere to all Warning and Caution labels on the machine.*
2. *Keep the manual in a safe place.*
3. *Protect the cords and power adaptors from liquids. Liquids can cause a short circuit, particularly if the cord has been stressed from misuse.*
4. *Prepare, level, and clear the area where the machine will be installed.*
5. *To avoid risk of fire or injury, unplug the power before servicing electrical components.*
6. *Do not dispense flammable materials.*
7. *After installing, complete a purge and check the plumbing of the lines.*
8. *Check that canisters and lines are secure and in place.*
9. *Plug into an approved grounded outlet only. Make sure the outlet meets all national and local codes.*
10. *To reduce the risk of electric shock or injury, use indoors only.*

WARNING:
UNPLUG BEFORE SERVICING

WARNING:
DO NOT USE WITH OR NEAR FLAMMABLES

USE A DEDICATED 15 AMP CIRCUIT (US only)

Information and Instruction Labels

You should become familiar with the information labels affixed to the machine, as well as the warnings, cautions, and notes which appear throughout this manual.

Read all the warning labels on the exterior and interior of the dispenser. If the labels become damaged or unreadable, you may purchase replacements from Fluid Management Customer Support Services. See the replacement parts section for ordering information.

Safety Notice Information

- **WARNING: HAZARDOUS ELECTRICAL COMPONENTS**

The two main notices used in this *End User Guide* and on the Accutinter 1500 are **Warning** and **Caution**. A **Warning** notice tells you about a hazard that could cause serious injury to you or extensive damage to the equipment. This information is featured in the beginning of the manual to emphasize safety.

When you see a **Warning** notice in this manual, read it carefully before continuing with the operation of the machine. Take all necessary precautions to avoid potential injury.

- **CAUTION: POTENTIAL SAFETY HAZARD**

A caution notice tells you about a danger that could cause injury to you or minor damage to the dispenser. When you see a **Caution** notice in this manual, read it carefully and be sure you understand it before continuing.

Air circulation

Your computer and monitor for your dispenser produce heat. The computer has a fan that pulls in fresh air and forces out hot air. The monitor lets hot air escape through vents. Blocking the air vents can cause overheating, which might result in a malfunction or damage. Place the computer and monitor so that nothing blocks the air vents; usually, 51 mm (2 in.) of air space is sufficient.

General safety information

Do not attempt to service a product yourself unless instructed to do so by Fluid Management Customer Support Services. Use only a Fluid Management authorized Service Technician to repair your equipment. Please note that some parts can be upgraded or replaced by the customer. Fluid Management identifies those parts as such and provides documentation with instructions when it is appropriate for customers to replace those parts. You must closely follow all instructions when performing such replacements. Always make sure that the power is turned off and that the machine is unplugged before you attempt the replacement. If you have any questions or concerns, contact Fluid Management Customer Support Services.

TECHNICAL SPECIFICATIONS

Height: 48" (122 centimeters)
Width: 30" (76 centimeters)
Depth: 24" (61 centimeters)
Weight: 330 pounds with colorant (150 Kilograms)
Maximum power: 120 Volts +/- 10%, 0.5 Amps 60 Hz Frequency
Maximum number of canisters: 12 (16 with optional add on unit)
Cans accommodated: one-gallon, five-gallon, quart, and pints

OPTIONAL ACCESSORIES

- **Printer tray**
- **Scanner tray**
- **Barcode scanner**
- **Dymo label printer**
- **Computer, keyboard,**
- **and mouse**
- **Spectrophotometer: Color matching system**

Introduction

The Accutinter 1500 is a fully automatic sequential dispenser designed for accurate, easy and repeatable dispensing. The ganged nozzle allows the machine to dispense all colorants with a single stream. The Accutinter 1500 is highly accurate due to the use of a microprocessor and five major elements: DVX® pump technology, digital electronics, stepper motors, individual colorant nozzles, and ColorPro™ software.

ColorPro™ dispensing software runs on an external computer, making it possible to store customer formulas and machine usage reports. Using Fluid Management's patented DVX® technology, each motor has a separate motor and pump, ensuring the most reliable and accurate performance, with dispenses as small as 1/384 ounce. Colorants are stored in three-quart canisters. Colorants are automatically agitated to keep colorants in optimal condition and to prevent them from separating. The exterior cabinet has a durable painted finish.

The Accutinter 1500 allows you to choose from a full spectrum of designer colors with easy to follow ColorPro™ software. ColorPro™ allows you to select the color of your choice from an extensive database. It directs you through the most important cleaning and maintenance procedures ensuring the best performance from your dispenser.

Highlights:

- **Three point LED locator for easy can placement**
- **Highly accurate**
- **Dispenses any color in your database**
- **Uses patented DVX® and stepper motor technology**
- **Small footprint**
- **ColorPro™**
- **Handles multiple container sizes and heights**
- **Mounted swivel casters for easy moving**
- **Constructed from heavy gauge steel**

PRODUCT: Personal computer, Recommended model: **Lenovo model M55**

PHYSICAL DESCRIPTION

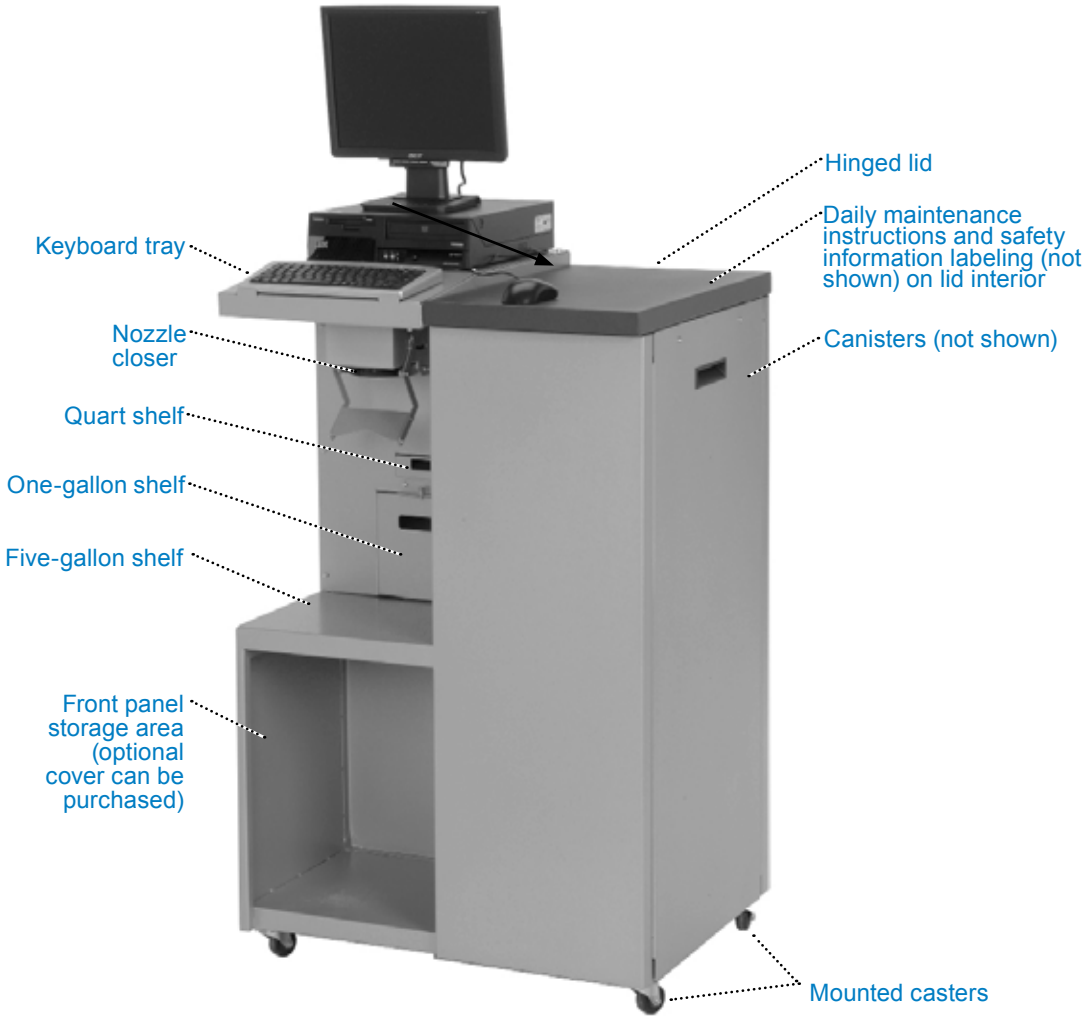
Maximum dimensions: 3 3/4" H x 14 7/16" W x 15 5/16" D (9.5 cm x 36.7 cm x 38.9 cm)
Configuration: Desktop (flat horizontal) capable of operating in a horizontal or vertical postion, including the external media
Serial number: Unique number supplied on each unit by vendor, unless the system manufacturer has supplied an externally visible identification.

HARDWARE AND CONFIGURATION:

COMPONENT	MINIMUM REQUIREMENTS
Operating system	Windows XP Professional Service Pack 2

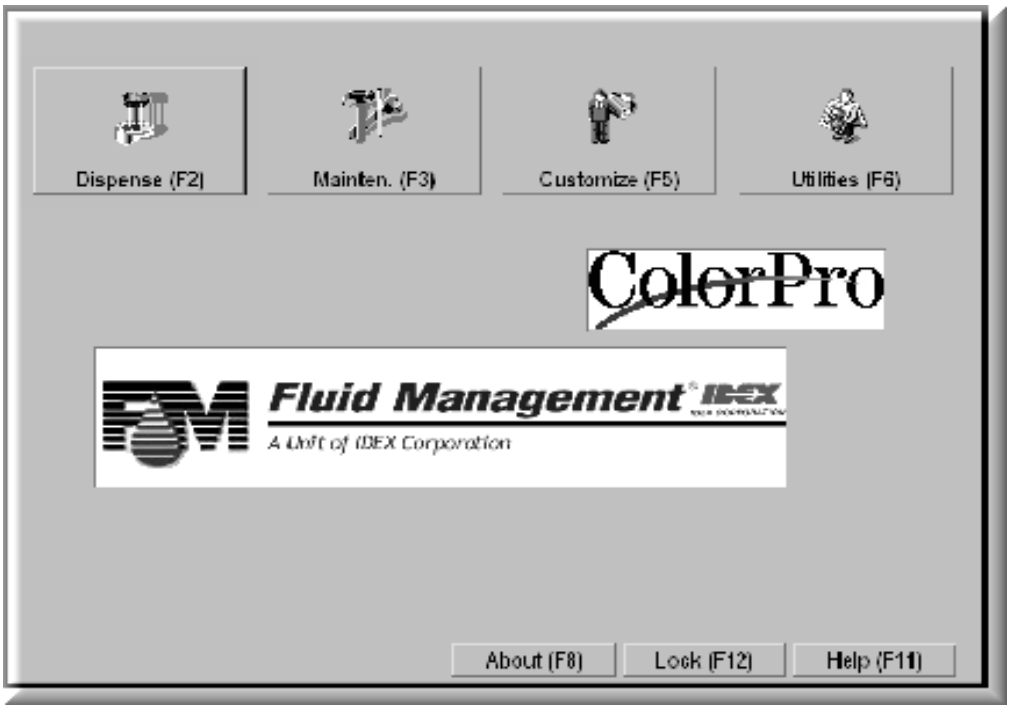
SOFTWARE CONFIGURATION:

COMPONENT	MINIMUM REQUIREMENTS
Case	Desktop (see physical description above)
Motherboard	Must include one parallel LPT port, two serial COM ports, four USB ports. Minimum two EIDE controllers capable of supporting two drives each, and one floppy drive controller.
Processor	Celeron, 2.6 GHz or higher
Memory	Minimum 512 MB Ram, 1GB if other applications used
Hard drive	Minimum 80 GB capacity
Floppy disc drive	Standard 1.44 MB
CD-RW / DVD-Rom combo drive	Minimum 24 X speed capable of capturing a CD/DVD for vertical operation
Video	SVGA compliant, minimum 640 X 480 resolution, 600 x 800, 1024 x 768, 1280 x 1024, 32 bit color
Audio	16 bit
Network interface card (NIC)	Must be capable of automatic switching between 10Base-T and 100Base-TX
Keyboard	Standard 101 key PS/2 or USB
Mouse	Standard two button PS/2 or USB



YOUR ACCUTINTER 1500 HAS THESE BUILT IN FEATURES:

- 1/384th of an ounce accuracy.
- Single-stream dispense via ganged nozzle.
- Built in one-gallon, five gallon, and quart shelves.
- ColorPro monitors colorant levels.
- Removable electronics unit for easy servicing.
- Twelve colorant canisters (sixteen optional).
- Three point LED locator light.
- Automatic agitation helps prevent colorant separation.
- Powerful DVX® pump technology reduces the frequency of calibration and scheduled maintenance sessions.



COLORPRO™ HAS THESE FEATURES:

- Easy to use.
- Includes a full spectrum of designer colors available from a built in formula database.
- Customer friendly menus direct you through daily maintenance.
- Includes over seven different menus and options for dispensing, diagnostics, and maintenance.
- Optional ColorPro™ language packages allow you to operate in multiple languages.
- Built in diagnostic utilities.
- Mouse and keyboard operable.
- All dispensing functions can be accessed from a single screen.
- Tracks and reports usage statistics for formulas, colorants, and dispenses.

FM Customer Support Services 1.800.462.2466

Getting to Know Your Accutinter 1500
Tips to Help You Get Started

These tips will help you get the most out of your machine:

- Load ColorPro™ if you are using an existing PC.
- Clean the nozzles daily for consistent dispense accuracy.
- Purge the nozzle at least once per day, especially if you haven't used the machine for several hours.
- It is recommended that the machine stay on at all times.
- Shake the colorant can before filling the canisters. Let the colorant sit for several minutes so the bubbles rise to the top before filling the canisters.
- Always keep the nozzle closer covered with the cap to prevent colorant from drying out.
- Keep the nozzle closer sponge moist by adding a few drops of water to the cup liner to prevent dried colorant from clogging the nozzle.
- Follow the preventative maintenance procedures in this manual.
- Do not use solvents in your dispenser.
- Use the **Welcome to ColorPro™** section of this manual for answers to your questions about ColorPro™.
- Do not load any screen savers on the computer. Added software can create conflicts with ColorPro™ and could cause the dispenser to operate incorrectly.
- Keep your ColorPro™ software up-to-date.
- Use the correct sized labels for your Dymo label printer (optional accessory).

Getting Started
Installation

Your Accutinter 1500 has been designed so that you can set it up quickly and begin using it right away. If you have never used an Accutinter dispenser or are new to paint dispensers, read this section for instructions on getting started and installing your machine.

If you are an experienced user, you may already know enough to get started. Be sure to look over the information in the “Welcome to ColorPro™” section of this guide to find out more about the new features and capabilities in ColorPro™.

VERIFY THESE ITEMS ARE INCLUDED WITH YOUR UNIT:

- **Nozzle pick**
- **Water bottle**
- **Sponges**
- **AT1500 User guide**
- **Disc** (contains database, machine configuration, and/or fluids configuration depending on your specifications)
- **ColorPro™ software CD**
- **Power cable**
- **USB cable**

OPTIONAL ACCESSORIES (not automatically included):

- **Computer, monitor, mouse**
- **Keyboard**
- **Computer storage mountable bracket**
- **Dymo label printer**
- **Printer tray**
- **Scanner tray**
- **Front panel storage cover**

WARNINGS

Always unplug your machine from the AC power outlet before servicing.

The unit must be plugged into a dedicated 15 Amp electrical line (US only).

The surface the dispenser sits on must be strong enough to support it's weight.

This machine is not explosion proof and must not be used in a flammable atmosphere or with flammable materials.

Protect the cord and power adapters from liquids. Liquids can cause gradual corrosion of the power cord and / or the connector terminals on the adapter which can result in overheating.

Unpacking and Set up

Follow the steps on the next eleven pages to set up your Accutinter 1500.

1 Make sure these items are available before installing:

Accutinter 1500 unit
Power cord
Computer, monitor, mouse, and keyboard (optional accessories)
Dymo label printer and labels (optional accessory)
Barcode scanner (optional accessory)
Surge protector (recommended, not included)

2 Tools needed for installation (not provided):

Scissors or diagonal cutters

3 Unpack the machine.

a. Remove the interior contents of the packaging.

b. While unpacking the machine, inspect the machine for any damage that may have occurred during shipping.

If any damage is found, notify the carrier immediately. Arrange for inspection in order to claim recovery. Claims for damage must be made by the consignee (YOU). The carrier assumes full responsibility upon acceptance of the shipment and will not entertain any claims by the consignor.

Verify the contents against the packing slip. Note if any items are missing or damaged. Call Fluid Management Customer Support Services if any items are missing.

4 Position dispenser in permanent location.

Choose a location for your dispenser that is capable of supporting the weight. Make sure there is enough room for service personnel to have access to the rear of the machine. If there is not enough room, routine maintenance may be difficult to perform.

Cautions

Verify that your dispenser is firmly positioned on the surface it will sit on.

Before dispensing colorant for the first time, you must complete a manual dispense.

Daily cleaning and nozzle maintenance are crucial for effective machine operation.

Shake colorant before filling the canisters.

Do not use shelf surface to seal open cans.

Do not dispense without a container in place.

Do not operate the dispenser until it is in it's permanent location.

Do not dispense if canisters are empty.

Always route power cords so they will not be walked on, tripped over, or pinched by objects.

To reduce the risk of electric shock or injury, use indoors only.

5 Position the monitor, computer, and keyboard.

a. Place the keyboard on the keyboard support, *Figure 1*.

b. Place the computer on top of the left side of the Accutinter *Figure 1*, (unless you purchased the optional computer bracket).

c. Place the monitor firmly on top of the computer.

Fig. 1

6 Plug in the power cord and connect all the cables.

a. Connect the mouse and keyboard USB cables to their corresponding symbols on the back of the computer, *Figures 2a and b*.

Fig. 2a

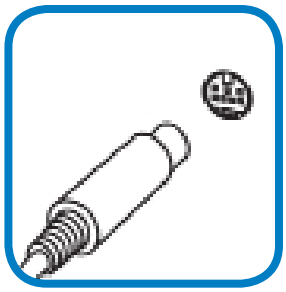


Fig. 2b

b. Connect the USB cable from the dispenser to the USB port on the back of the computer, *Figure 3*.

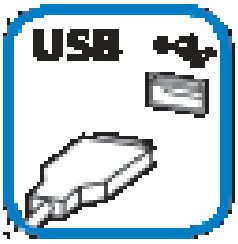


Fig. 3

c. Plug the surge protector (not included) into a 15 Amp dedicated electrical outlet.

d. Plug the dispenser power cord into the recommended customer supplied surge protector.

7 After the machine is installed, fill the canisters and update ColorPro™ (See “Getting Started: Preparing the canisters” on pages 19-21).

8 After the canisters are filled, complete an initial manual dispense for each colorant (See ” Getting Started: Preparing the canisters” on page 21).

9 For the system to operate properly, leave the dispenser on at all times.

Connecting the Dymo label printer (optional accessory)

The label printer software for the label printer is installed on the computer by Fluid Management. All you need to do is connect the printer cables to the computer and to a dedicated power outlet. The original packaging from the printer vendor includes the software, a quick start guide with detailed instructions, and the necessary cables.

Follow steps #1-4 to connect the printer:

1

1- Unpack the printer. Save the packing materials.

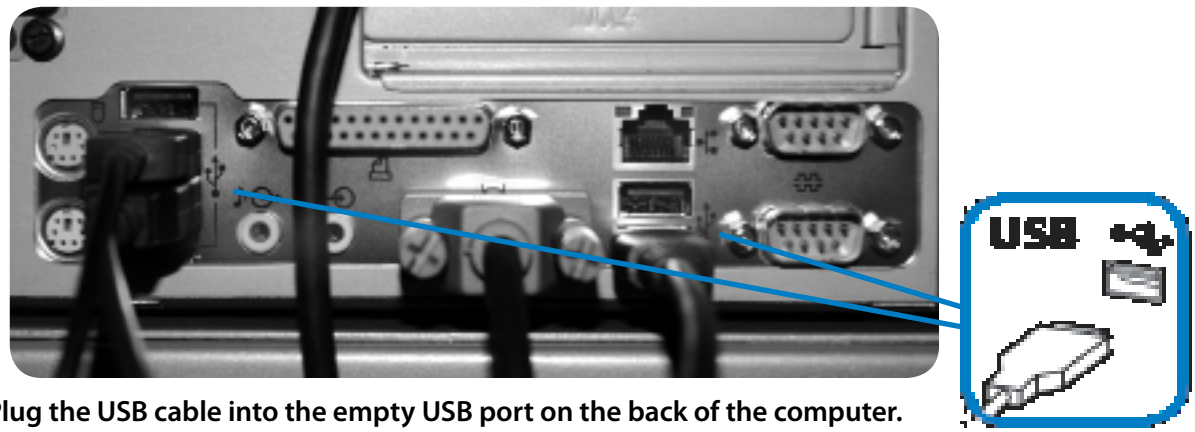
2- Make sure you have these items:
- •CD - ROM
- •Quick Start Guide
- •Roll of labels
- •USB cable
- •Label writer printer
- •Power cable
- •Power adapter

3- Plug the power cord into the power adapter.

2

1- Plug the power adapter into the power connector on the bottom of the printer.
2- Plug the other end of the power cord into a power outlet.
3- Plug the USB cable into the bottom of the printer.

3



Plug the USB cable into the empty USB port on the back of the computer.

1- The blue light on the front of the printer should be on if the printer is ready.
2- Click the **Label** button on the formula tab to print labels.

Connecting the Barcode Scanner (optional accessory)

The barcode scanner (Part number 33322, Symbol series LS2208) must be connected to the computer and keyboard. The barcode scanner is pre-programmed by Fluid Management. After the barcode scanner is connected, it must be enabled for compatibility with ColorPro™. The original packaging from the vendor includes the barcode scanner, the cable, and a quick start guide.

Follow steps #1-8 to install the barcode scanner:

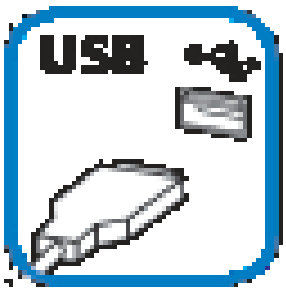
1

1- Unpack the barcode scanner. Save the packing materials.
2- Make sure the barcode scanner and the cable are included.
3- Turn on the computer.

2

Plug the interface cable modular cord into the port in the bottom of the scanner handle.

3



Connect the scanner cable to the USB port on the back of the computer.

4

ColorPro

Go to the next page for instructions on enabling the barcode scanner in ColorPro.

Connecting the Barcode Scanner
Enabling the Barcode Scanner in ColorPro™

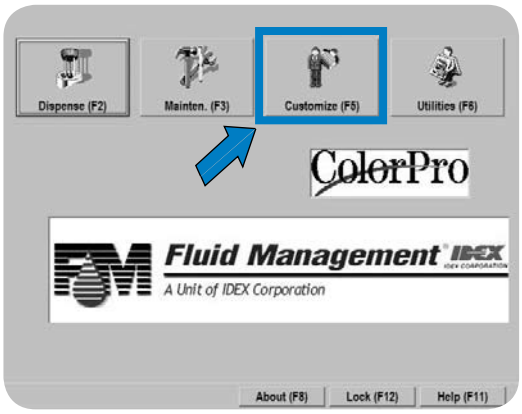
After the barcode scanner is connected to the computer and keyboard, it must be enabled in ColorPro™. Note that you must have the correct barcode enabler database already installed.

Follow these steps to enable the barcode scanner:

5

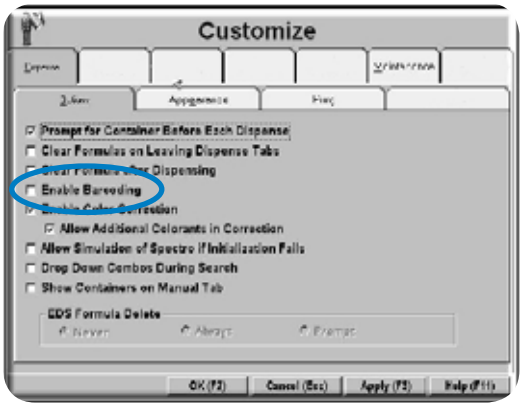
Start ColorPro™. ColorPro

6



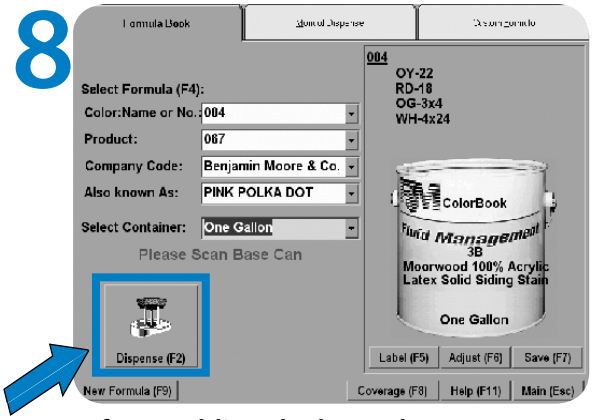
1- Select **Customize**.
2- Type in "service" when prompted for the password.
3- Click **OK**.

7



1- Check the **Enable Barcoding box** in the **Options** tab.
2- Click **Apply**, then click **OK**.

8



After enabling the barcode scanner, you can test the scanner by dispensing.
1- Open the **Dispense** menu.
2- Select a formula.
3- Click the **Dispense** button.
4- If you receive a prompt that says, "Please Scan Base Can", you have successfully enabled the bar code scanner.

Getting Started
Preparing the canisters when empty

After your machine is installed in the proper location, you need to fill the canisters with colorant so you can dispense for the first time. Your machine is pre-calibrated and does not come shipped with colorant. You will need to fill the canisters to capacity. The colorant compartment holds twelve three-quart canisters (sixteen optional). After the canisters are filled, ColorPro™ must be updated with the new canister information (see "Getting Started: Preparing the canisters" on page 20).

1 Raise the top cover of the Accutinter 1500 so you can see the top of the canisters.

2 Remove the lids from each canister one at a time and prepare to fill them with colorant.

3 Shake the colorant before pouring into the canisters. Fill the canister no more than one inch below the top of the canister.

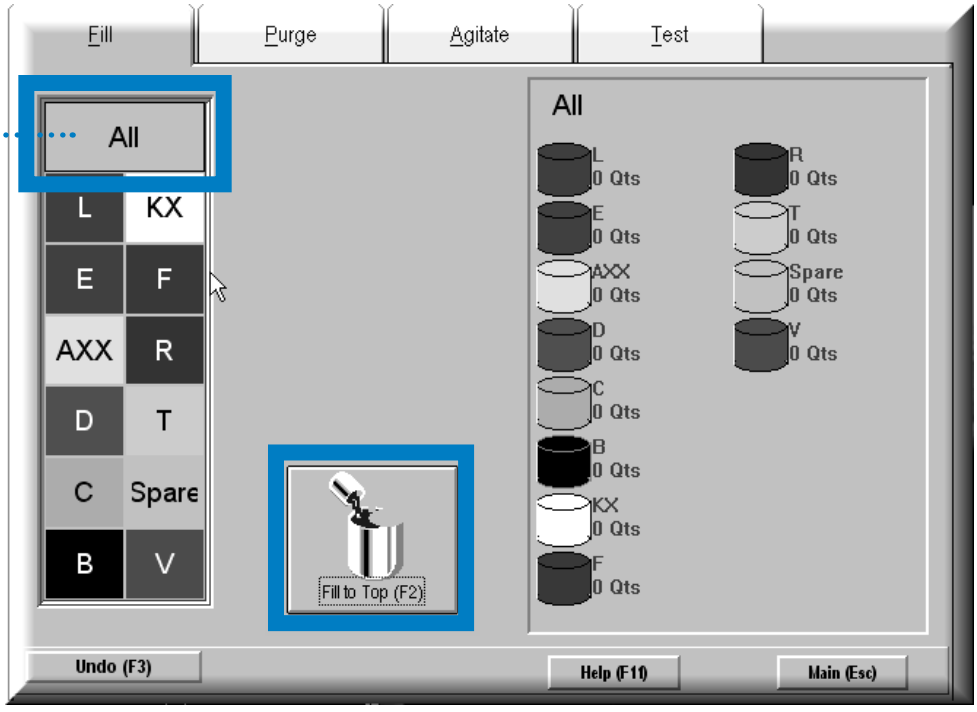
- *Do not rest the can on top of the agitator.*

4 Update ColorPro™ with the canister level information after you have filled all of the canisters (see "Preparing the canisters" on page 21).

Getting Started
Preparing the canisters

Next,
After you have filled the canisters to capacity, you must update ColorPro to prime the lines. Follow these instruction:

Fill menu ..... Click the **All** button to update the software after you have filled all of the canisters.



From the main menu, select **Maintenance (*F3*)**, then select **All (*F2*)** button.

Press ***Enter*** or click the "**Fill to top"** button.

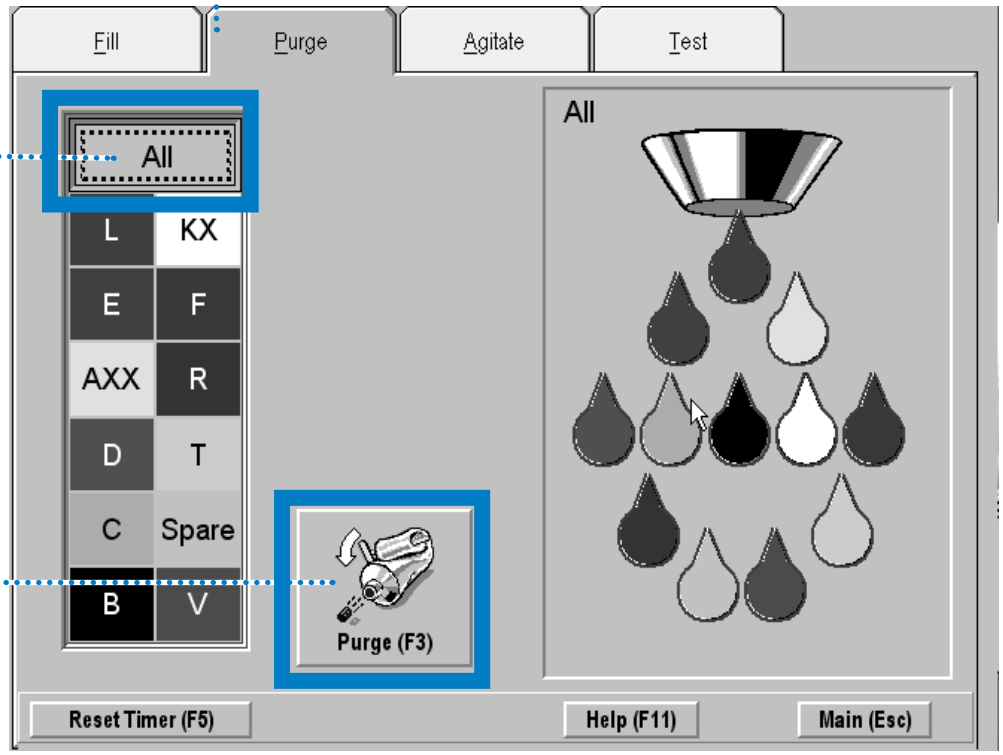
When prompted, "...**are you sure you want to fill all?**", press ***Enter*** or click yes.

Press ***Esc*** to return to the main menu.

Getting Started
Preparing pre-filled canisters

Your canisters may have come from our factory filled with a small amount of colorant. After you have filled the canisters and updated the software, you must do an initial dispense to make sure the Accutinter 1500 is working.

From the main menu of ColorPro™ select **Maintenance.** Then, select the **Purge** tab. **Purge** will dispense a small amount of colorant for your initial dispense. You must repeat this process until you see the colorant fill the lines.



1 Select **All**. Press ***Enter***.

2 When **Purge** button is highlighted, press ***Enter*** a second time or press ***F3***.

3 Place a container underneath the nozzle when prompted. Press ***Enter.***

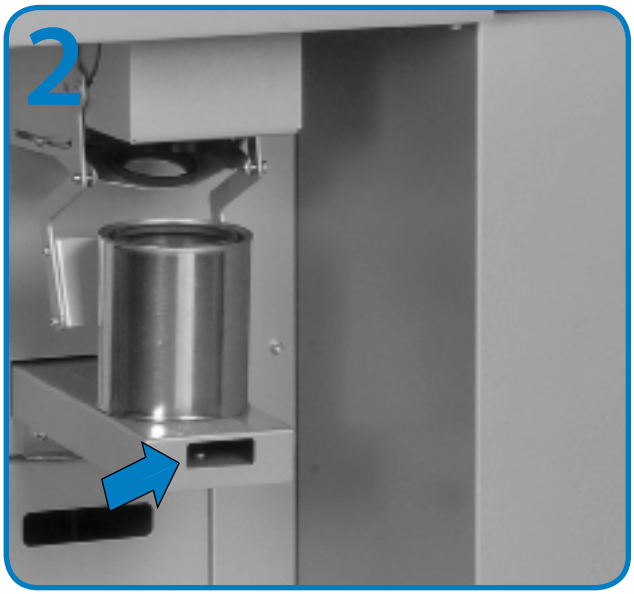
Repeat entire sequence again until you dispense.

FM Customer Support Services 1.800.462.2466

Basic Operation
Using the shelves

Pull the **one-gallon shelf** out by pulling the handle. Place the can under the three point LED light indicator.

The one-gallon shelf pulls out to accommodate one-gallon containers for easier dispensing with less splashing. When the shelf is completely pushed back, it holds a five-gallon can on the lower shelf. When the quart shelf is fully extended, it holds a one-quart can.



Pull the **quart shelf** out by pulling the handle. Place the can under the three point LED light indicator.

Place the five gallon can on the **five-gallon shelf** under the three point LED light indicator.

Basic Operation
Dispensing from **Formula Book**

Dispensing

Follow these steps to dispense a formula from your company's database:

Choose the container size you want to use:

1- For five-gallon cans, place the can directly on the bottom five-gallon shelf.

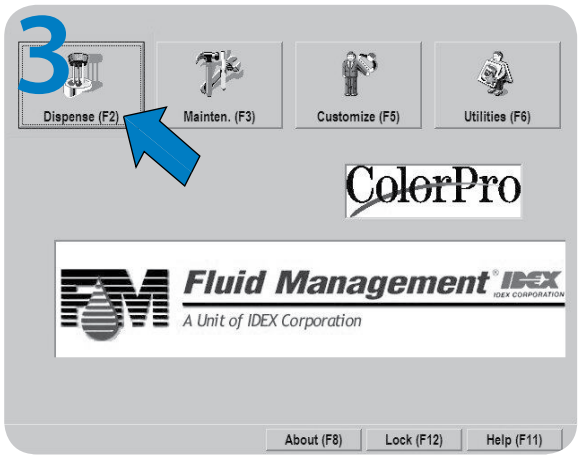
2- For one-gallon cans or quarts, place the can on the appropriate extended shelf.

3- Use the LED indicator lights to guide the can placement.

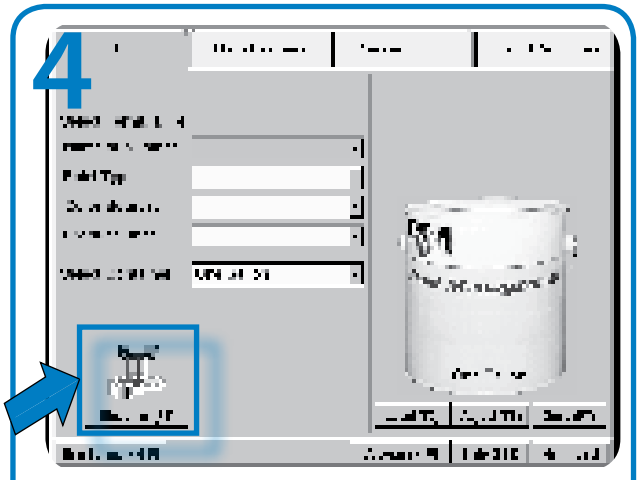
1- Make sure the machine is turned on.

2- Start ColorPro™ or the dispensing software you are using.

3- Your monitor display shows the ColorPro™ logo. Click on the logo to start the program.



Click on the **Dispense** button from the main screen.



1- Enter information into the text boxes. See "What are the basics? Selecting Formulas" on page 27.

2- Click on the **Dispense** (*F2*) button.

FM Customer Support Services 1.800.462.2466

Basic Operation
Dispensing individual colorants

Dispensing

Follow these steps to dispense individual colorants from **Manual Dispense**:

Choose the container size you want to use:

1- For five-gallon cans, place the can directly on the bottom five-gallon shelf.

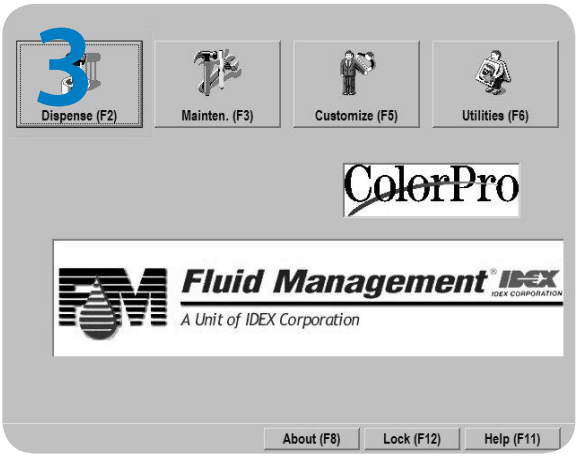
2- For one-gallon cans or quarts, place the can on the appropriate extended shelf.

3- Use the LED indicator lights to guide the can placement.

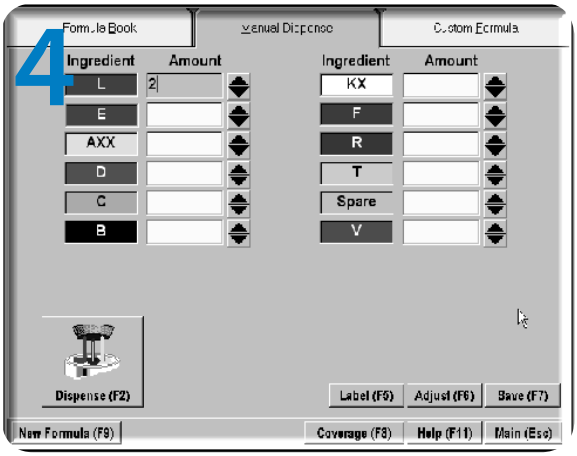
1- Make sure the machine is turned on.

2- Start ColorPro™ or the dispensing software you are using.

3- Your monitor display shows the ColorPro™ logo. Click on the logo to start the program.



Click on the **Dispense** button from the main screen.



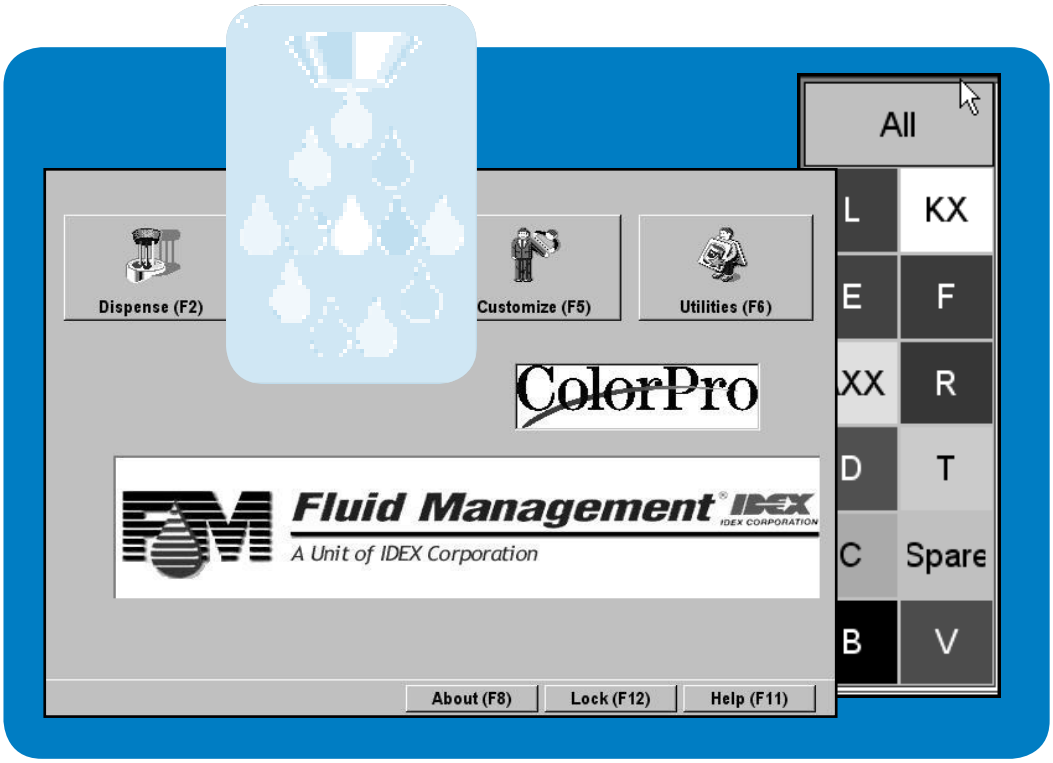
1- Select the **Manual Dispense** tab.

2- Enter the amounts you want to dispense into the text boxes. See "What are the basics? Manually Dispensing Colorant" on page 28.

3- Click on the **Dispense** button (***F2***) .

Welcome to ColorPro™

ColorPro™ and ColorPro™ Professional™ put usability at your fingertips with all the features that allow you to operate your **Accutinter 1500** dispenser. Instantly dispense any formula in your database, perform maintenance, run usage reports, estimate paint coverage for any room, adjust formulas, and calculate the formulas for lightening and darkening paint.



Clean the lines to keep your machine running at it's best.

Dispense any formula in your database and make adjustments.

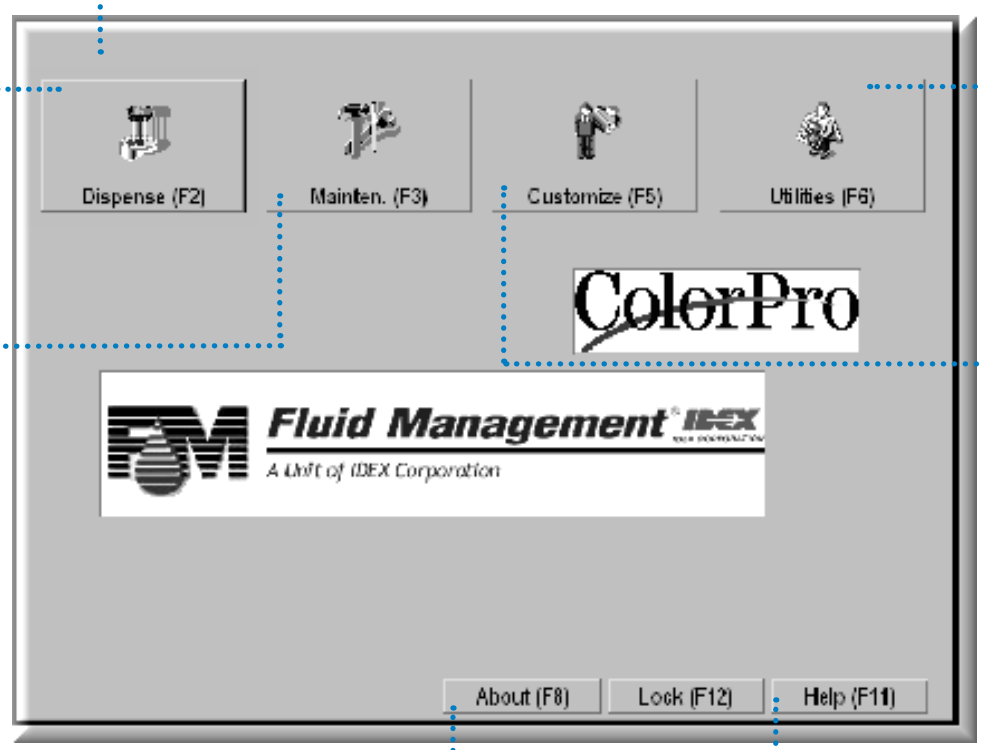
Fill the canisters with colorant.

Save the formula adjustments you make.

What are the basics?
The ColorPro™ main screen is your starting place

You can use the following four menus to help you get the most out of ColorPro™: **Dispense**, **Maintenance**, **Customize**, and **Utilities**. In this section, you will learn the functions of each menu, beginning with **Dispense**.

The main screen of ColorPro™ features seven selections.



Dispense menu
Click the **Dispense** button to go to the Formula book, Manual Dispense, and Custom Dispense menus.

Maintenance
Click the **Maintenance** button to add colorant, purge lines, and agitate.

Utilities
Click the **Utilities** button to update software, run reports, save data and test dispenser.

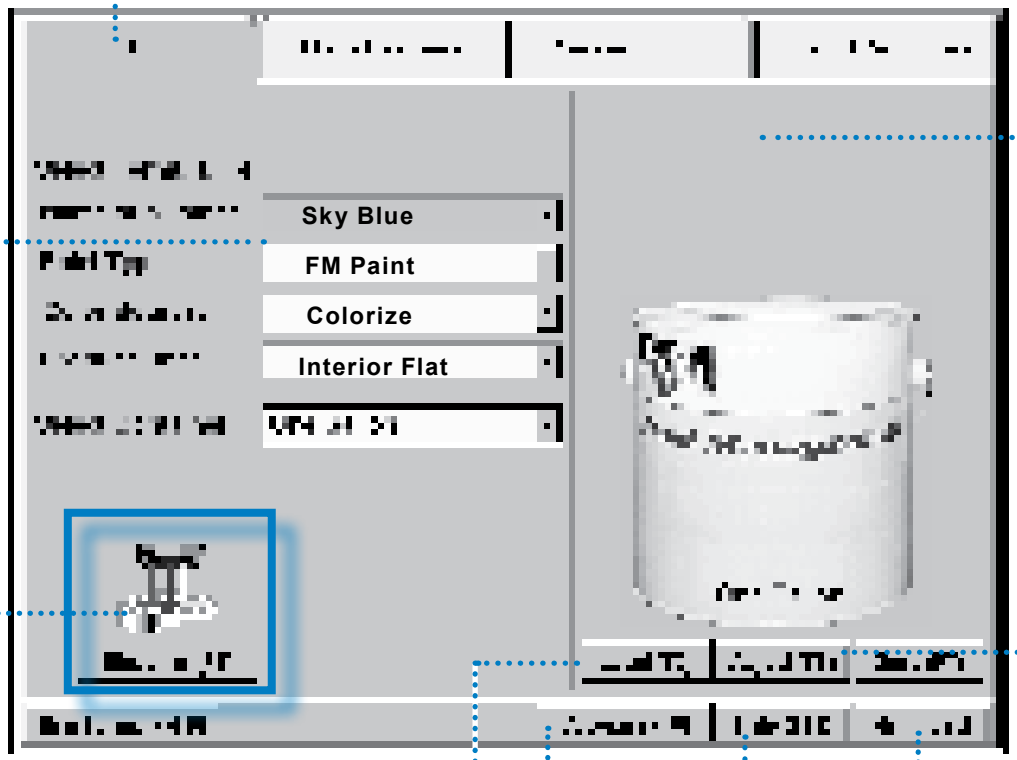
Customize
Click the **Customize** button to change the properties and options for the dispenser.

About menu
Click the **About** button to see ColorPro™ information.

Help menu
Click the **Help** button to look up answers to your ColorPro™ questions.

What are the basics?
Using the **Dispense** menu
Selecting Formulas

The **Formula Book** menu allows you to select, dispense, and adjust the formula. You can also estimate paint quantities, and enter new formulas.



Select Formula
Enter information in the text boxes about the colorants you want to dispense.

Formula quantities
The colorant quantities needed to dispense your formula will show here.

Dispense
Click the **Dispense** button to dispense the colorant after you enter the formula information.

Adjust
Click **Adjust** to adjust individual formulas.

Coverage
Use the paint wizard to estimate how much paint is needed for your job.

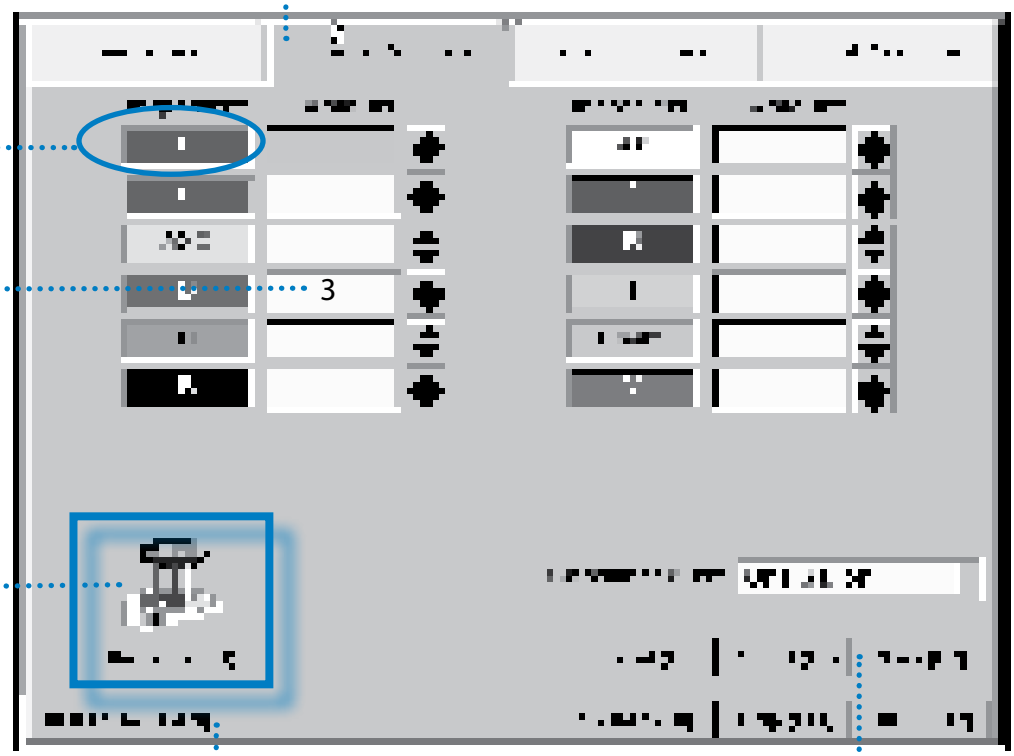
Help
Click the **Help** button to get answers to your ColorPro™ questions.

Main
Click the **Main** button to return to the main screen.

Label
Click the **Label** button to print labels for your paint containers.

What are the basics?
Using the **Dispense** menu
Manually dispensing colorant

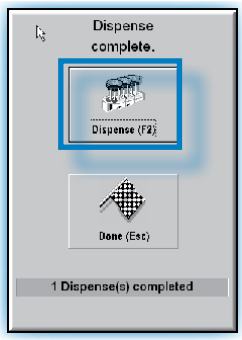
Manual Dispense allows you to enter the amount of colorant you want to dispense. Enter the amount in the text box first and then click **Dispense**.



Ingredient
The letters shown are the colorants your dispenser uses.

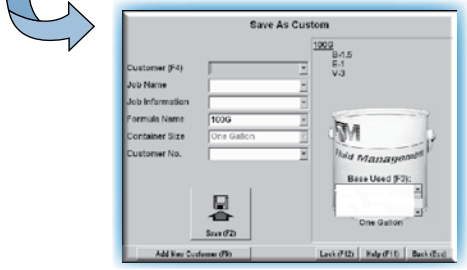
Enter amount
Enter the amount or use the scroll arrows for the colorant you want to dispense.

Dispense
Click Dispense to dispense the colorant after you enter the formula information. You will receive a prompt when the dispense is complete. Click **Done**.



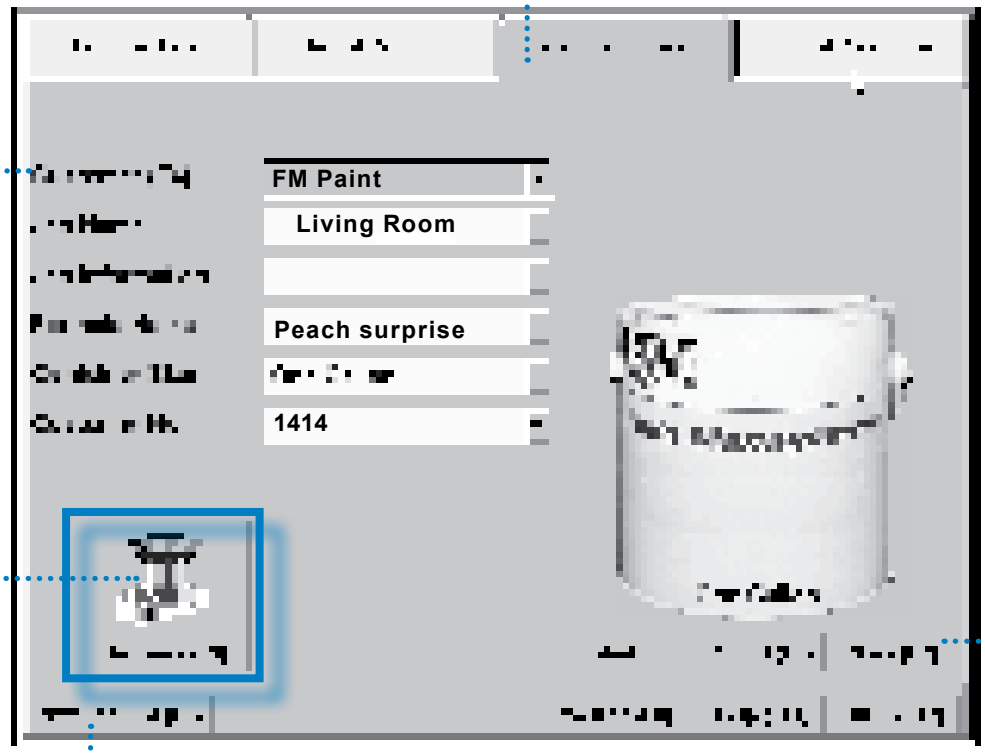
New Formula
Click here to make new formulas that are not in your database.

Save
- Click **Save** to save formula information.
- In the **Save As** Custom text boxes, type in the job information.
- Click **Save** to save information.



What are the basics?
Using the **Dispense** menu
Saving customer information

Use **Custom Formula** to enter and save customer information, plus dispense the formula.



Customer Information

Enter information in each textbox about the formula you want to dispense. Make sure you fill in each field.

Dispense

Click the **Dispense** button to dispense the colorant after you enter the formula information.

New Formula

Click the **New Formula** button to start a new formula.

Save

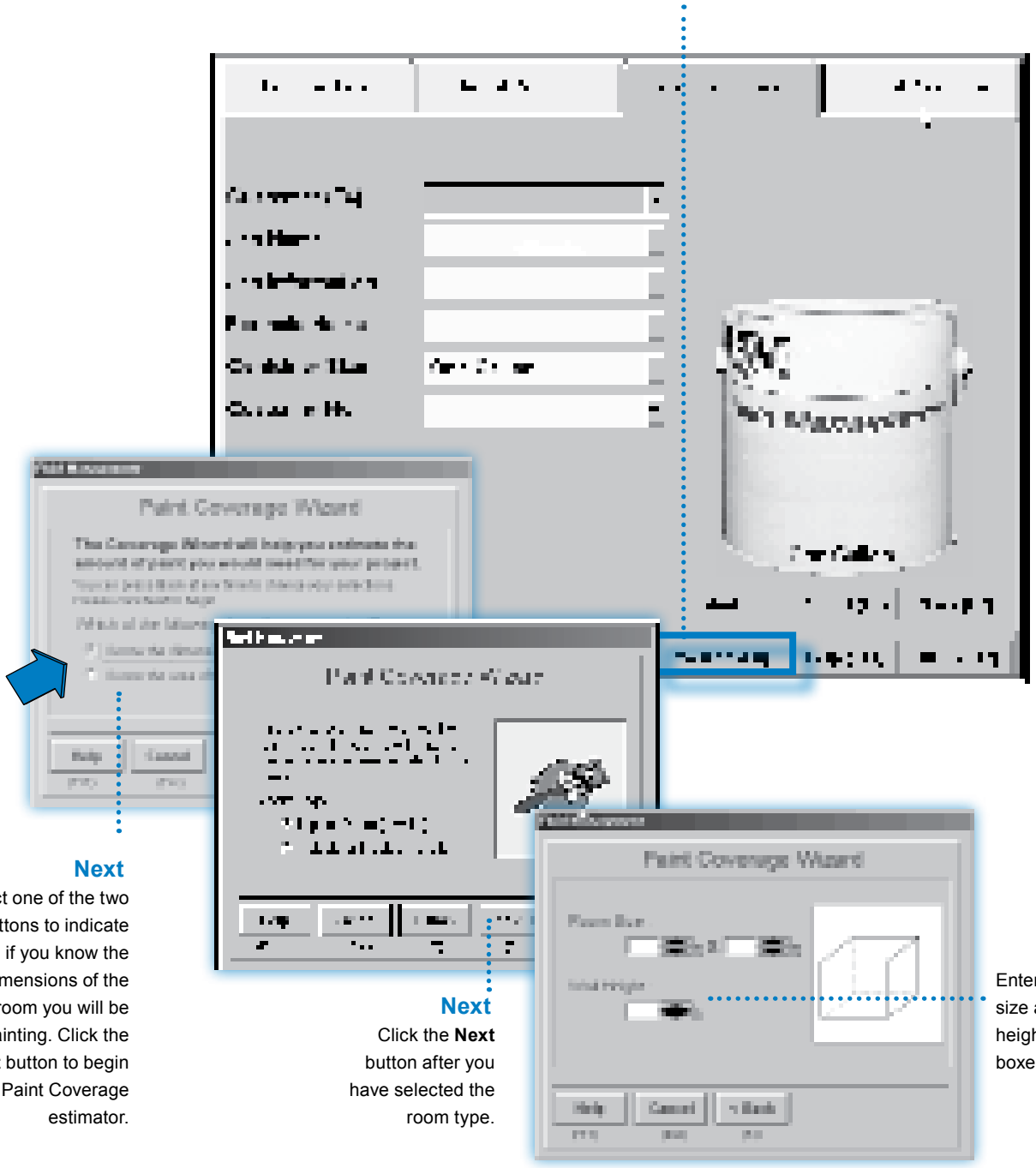
Click the **Save** button to save customized information.

Paint Coverage Wizard

To estimate how much paint you need for a specific room, use **Paint Coverage Wizard.**

What are the basics?
Using **Coverage** Estimator

To use **Paint Coverage Wizard**, click the **Coverage** button (F9), from any menu, and follow the prompts. Click the **Next** button through each step.



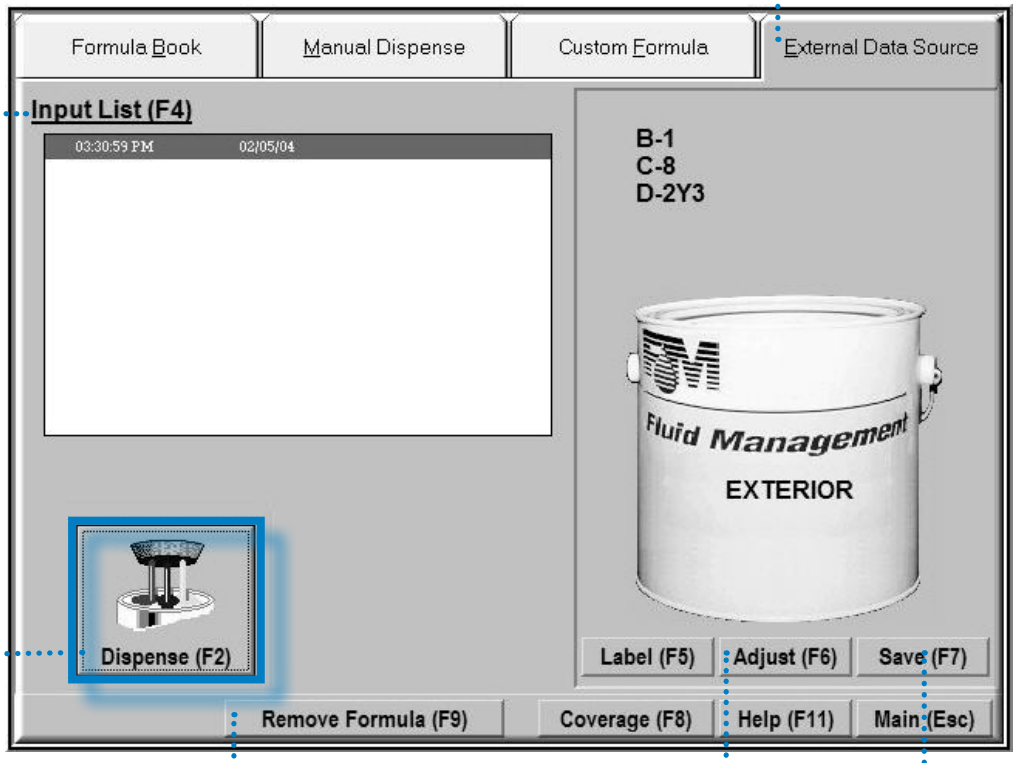
Next
Select one of the two buttons to indicate if you know the dimensions of the room you will be painting. Click the **Next** button to begin uisng Paint Coverage estimator.

Next
Click the **Next** button after you have selected the room type.

Enter the room size and wall height in the text boxes.

What are the basics?
Using the **Dispense** menu
External Data Sources

Use **External Data Source** to enter and dispense a formula scanned by a Spectrophotometer.



Input List
Select the formula you want to dispense from the formulas displayed in the list.

Dispense
Click **Dispense** to dispense the formula you selected from the input list.

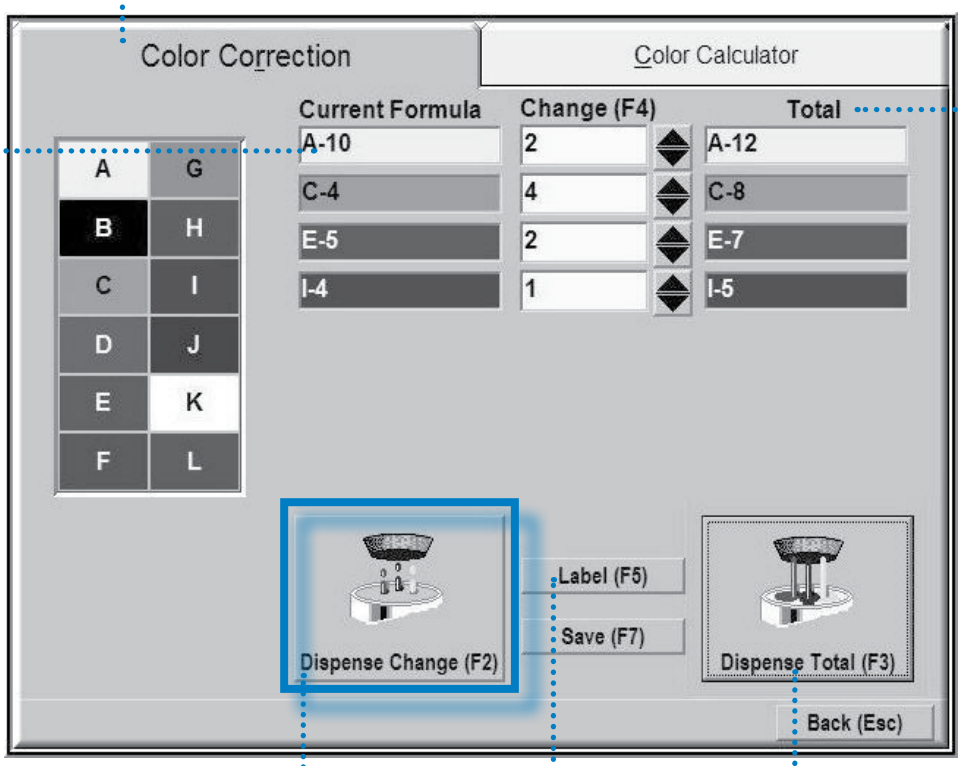
Remove Formula
Click the **Remove Formula** button to remove the formulas from the input list.

Adjust
Click **Adjust** to adjust the colorants using the formulas shown in the Color Correction menu (see “Adjusting Formulas” on page 32).

Save
Click **Save** to save formula information.

What are the basics?
Using the **Dispense** menu
Adjusting Formulas

Use **Color Correction** to adjust the original formula, label and dispense the adjusted formula.



Current Formula
Enter the formula adjustment you want to make in the textboxes for the corresponding colorant by typing in the amount or using the up down arrows.

Total
Allows you to view the colorant changes after you enter them in the **Change** box.

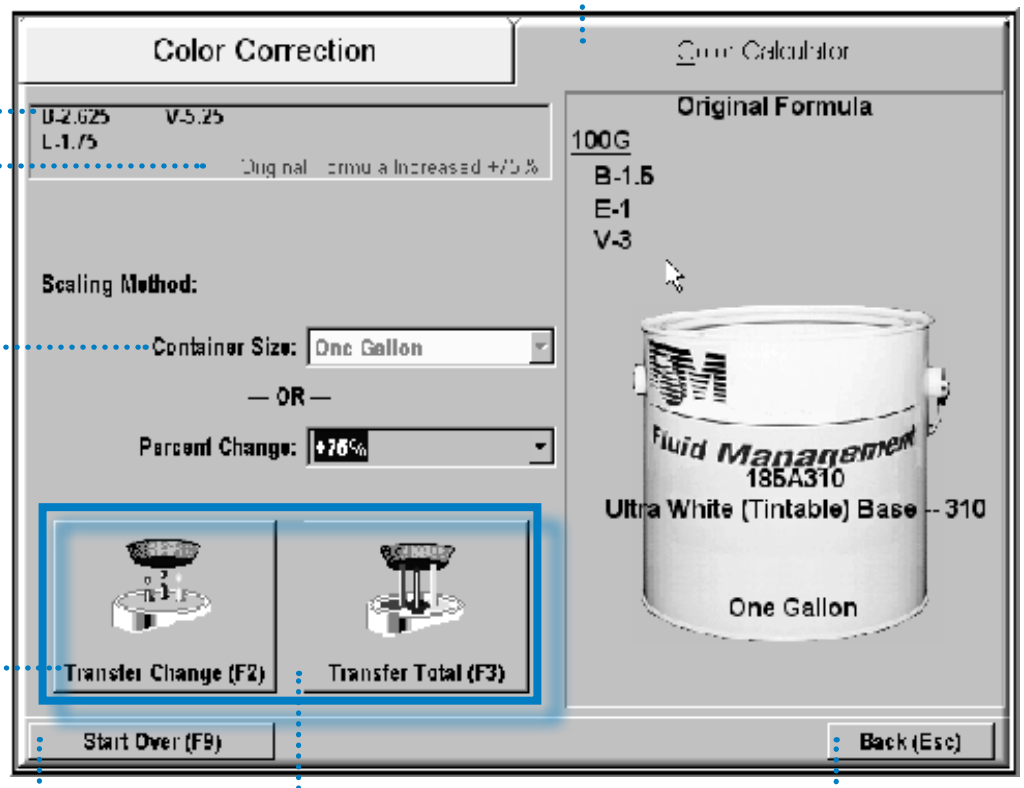
Dispense Change
Click here to dispense the formula.

Label
Click here to print labels if you have an optional label printer.

Dispense Total
Click here to dispense the total amount of the original formula.

What are the basics?
Using the **Dispense** menu
Color Calculator

Adjust formulas for the container size you want to dispense into using **Color Calculator**. Lighten or darken any formula with **Percent Change**.



Information area
Click here to view the change from the original formula and the formulas that have changed.

Scaling Method
Select the container size you want to use or enter an amount in Percent Change to lighten or darken the formula. +100 is the lightest and -75 is the darkest.

Transfer Change
Select the container size you want to dispense or the percentage change.

Start Over
Click the **Start Over** button to start your calculation again.

Transfer Total
Click here to return to the **Manual Dispense** screen. The percentage changes you entered will adjust automatically.

Back
Click the **Back** button to return to the previous screen.

-75%
Lightest

+100
Darkest

What are the basics?
Using the **Dispense** menu
Refilling the canisters

The **Fill** menu allows you to add colorant when the canisters need refilling.

▶Select **Agitate** after you fill canisters (see “Stirring the colorant”, page 36).

1

All

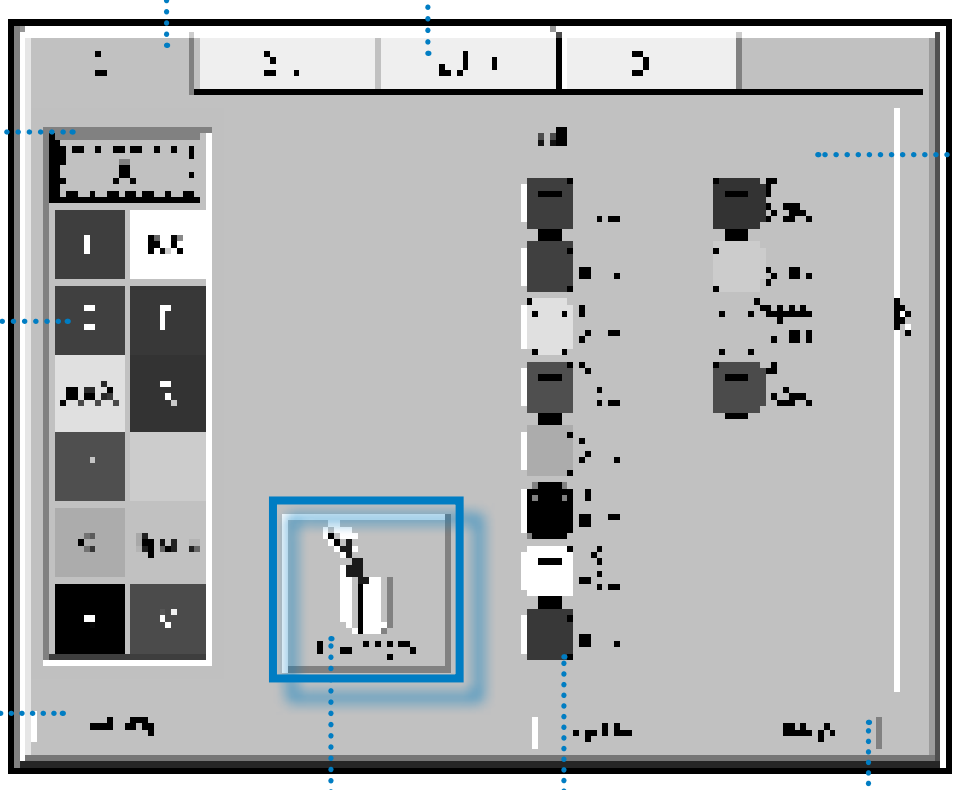
Click the **All** button to fill all of the colorants at once.

OR

Select your choice of colorants to fill the canister. Enter the amount of colorant you added into the text box when prompted.

Undo

Click **Undo** to restore the old fill values.



All

Allows you to view the colorant changes after you enter them in the Change box.

2

Fill to top

Click **Fill to Top** to fill the canister to the top after you’ve selected the colorant in step one.

Colorant volumes

These are the volumes the canisters hold for each colorant.

Main

Click **Main** to return to the main screen.

3

After you fill the canisters, you must agitate the containers using the **Agitate** menu.

NOTE!

Use Undo only if you want to recall a mis-entered colorant.

What are the basics?
Using the **Maintenance** menu
Purging the lines

The **Purge** menu allows you to maintain and clean the nozzle lines by preventing air and dried colorant from reaching the nozzle openings. Purging helps prevent dripping and mis-tints.

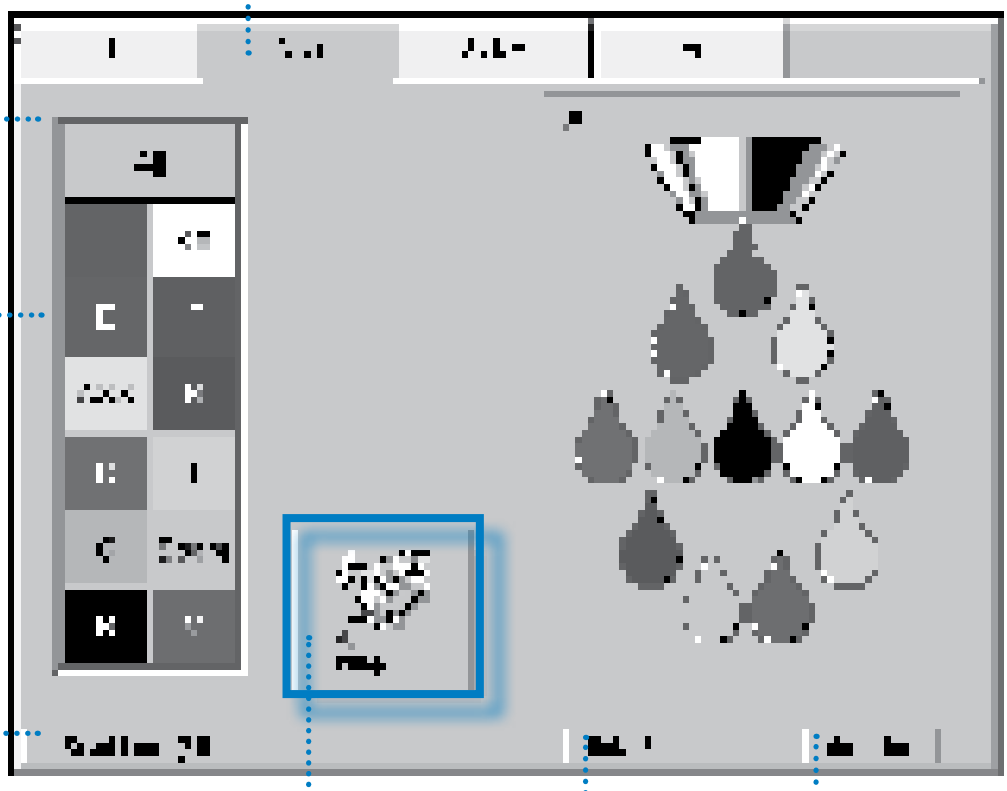
1

All

Click **All** to purge all of the cartridges at once.

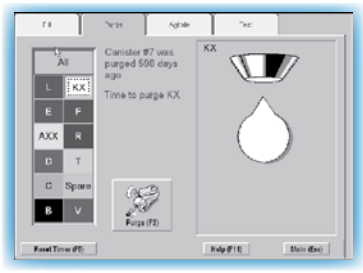
OR

Select your choice of colorants to purge. ColorPro™ will give you a text message indicating the last time the colorant was purged.



Reset Timer

Click here to reset the timer for the last time you purged.



2

Purge

Click here to purge after you've selected the colorant in Step one.

Help

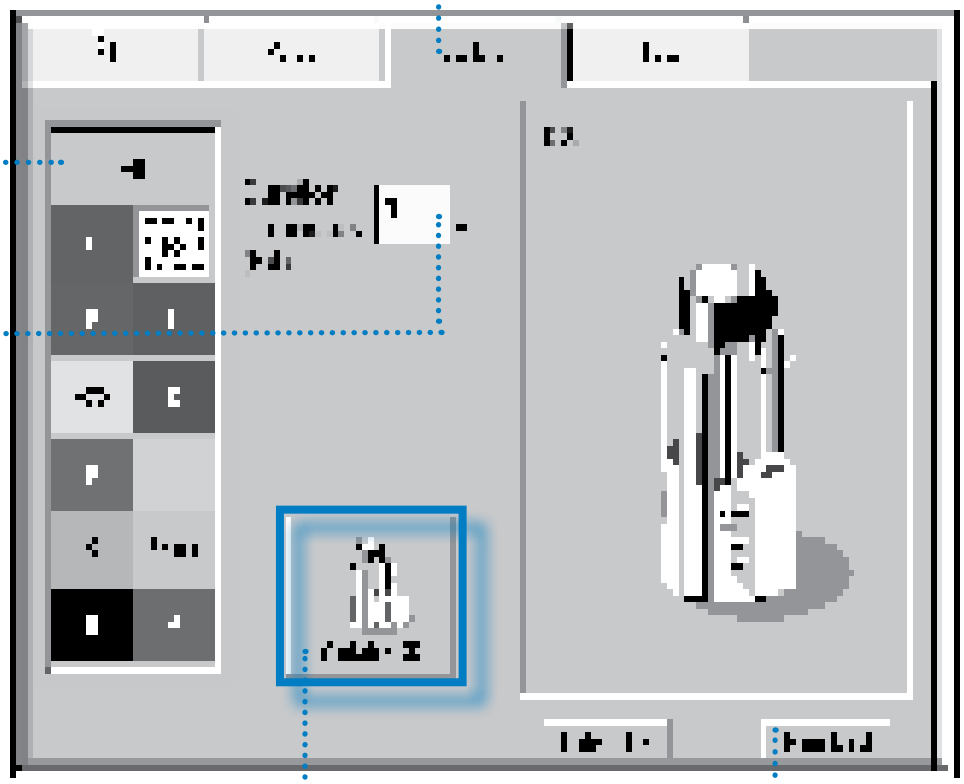
Click **Help** to get answers to your ColorPro™ questions.

Main

Click **Main** to return to the main screen.

What are the basics?
Using the **Maintenance** menu
Stirring the colorant

Agitation is automatically set to agitate the colorant thirty seconds per hour by our factory. The **Agitate** menu allows you to manually stir the colorant in the canister so the Accutinter dispenses accurately. Agitation helps to prevent the colorants from separating.



1

All

Select the **All** button to agitate all of the colorants at once.

Enter time in text box

Enter the amount of time you want to agitate the colorant after filling the canister.

NOTE!

The default is 30 seconds per hour. Fluid Management recommends agitating for four minutes if you do a manual agitation.

2

Agitate

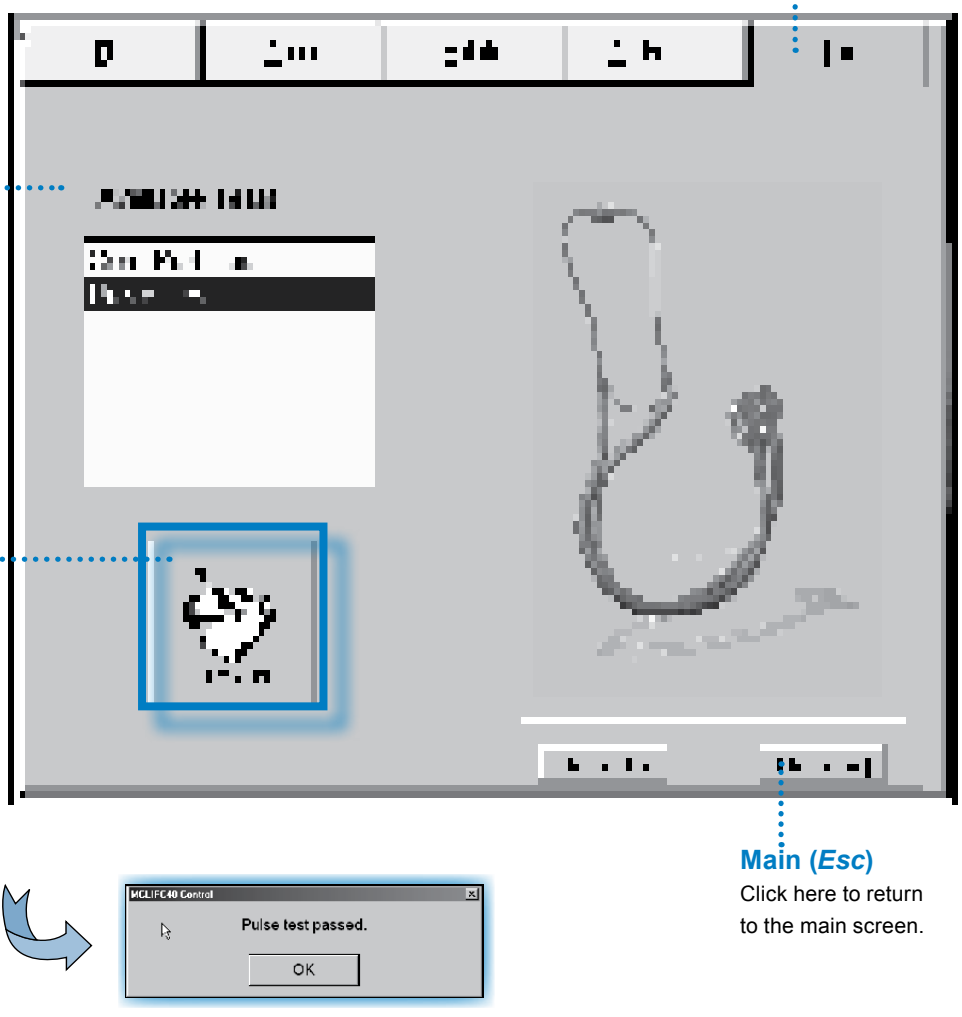
Click the **Agitate** button to begin the agitation cycle. A window will appear that indicates the progress. Wait until the blue bar reads 100%. Press **Abort** or ***Esc*** to stop the cycle.

Main

Click **Main** to return to the main screen.

What are the basics?
Using the **Maintenance** menu
Testing your Accutinter 1500

The **Test** menu allows you to run diagnostics on the Accutinter. There are three tests available. If you receive a **Pulse Failure** message in ColorPro™, you can use the **Pulse Test** to repair the problem.



1 **Available Tests**
Select **Pulse Test.**

2 **Test (*F2*)**
Click here to begin the pulse test. Note which colorants you receive Pulse failure messages about because they will need updating.

3 Repeat up to three times until you get a prompt that says **"Pulse test passed."**

Click **OK**

If you do not receive a passed message, call Customer Support Services for assistance.

Main (*Esc*)
Click here to return to the main screen.

What can I do with Customize?
Using the **Customize** menu
ColorPro™ options

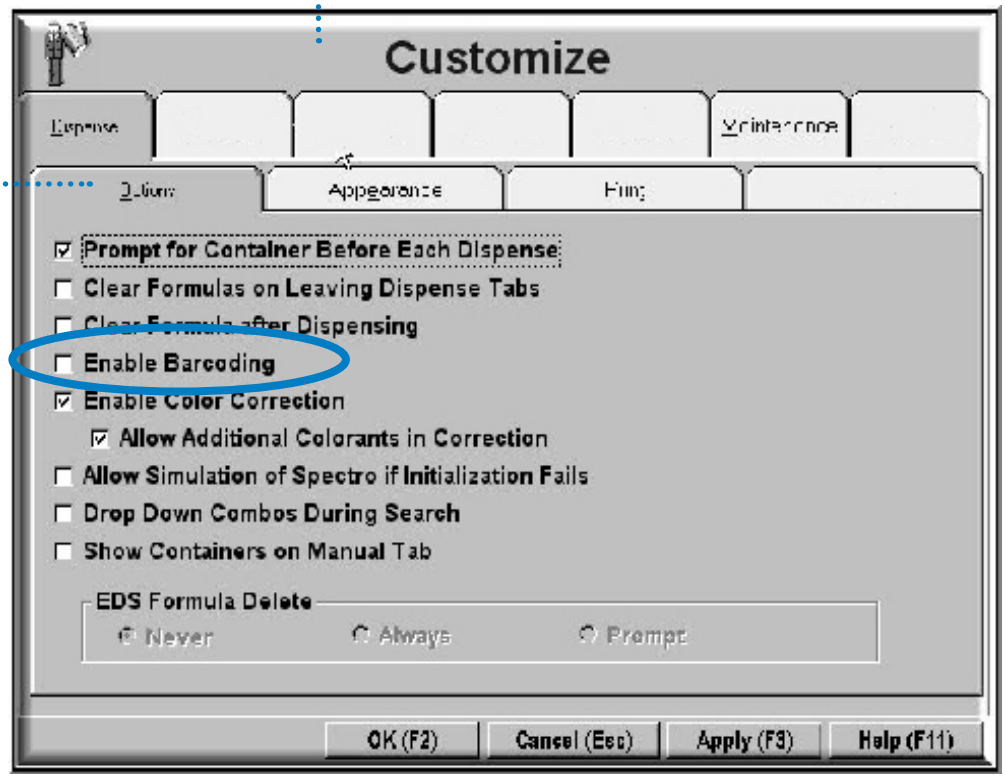
The **Customize** menu allows you to customize many of the regularly used features in ColorPro™ such as: label printing, machine shut down, and the screen appearance.

Options

Choose the **Options** tab to choose customized options by checking any of the boxes.

Enable Bar Coding is available in ColorPro™ Professional only.

You must have the correct database loaded to support barcode scanning. Check the **Enable Barcoding** box to enable the barcode scanner to work.

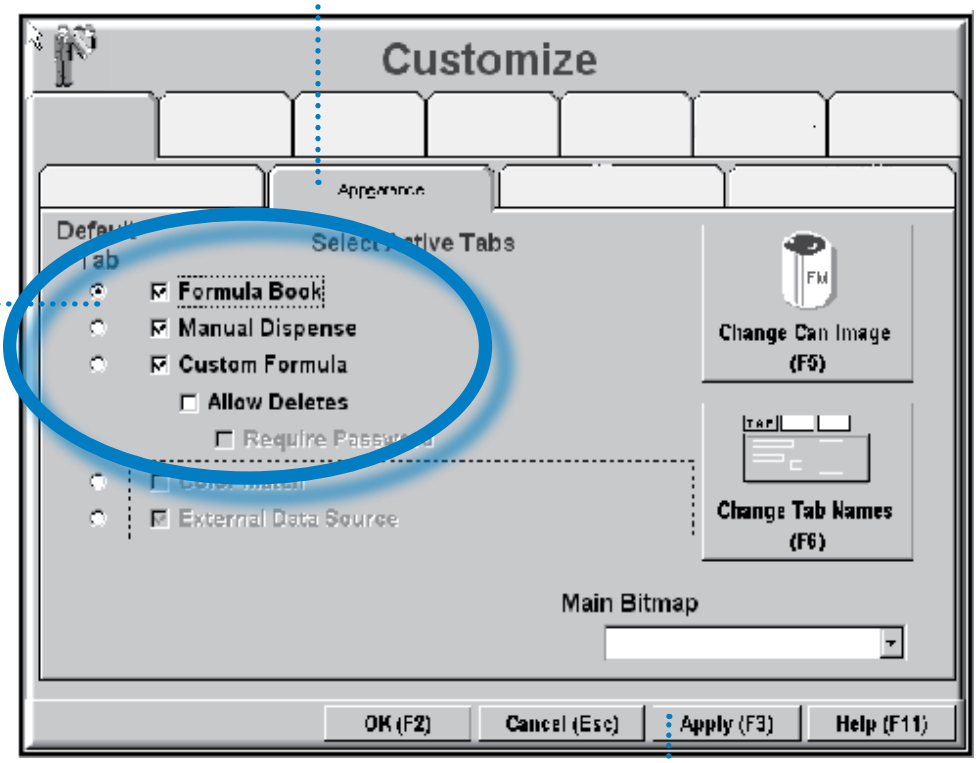


NOTE!

Call Fluid Management Customer Support Services at 1.800.462.2466 to receive your authorization code.

What can I do with Customize?
Using the **Customize** menu
Customizing the appearance

The **Appearance** menu allows you to select which menus you want to view from ColorPro™.



Active Tabs

Check each box for the tab you want to view from the Dispense menu.

Click **OK** ***(F2)***.

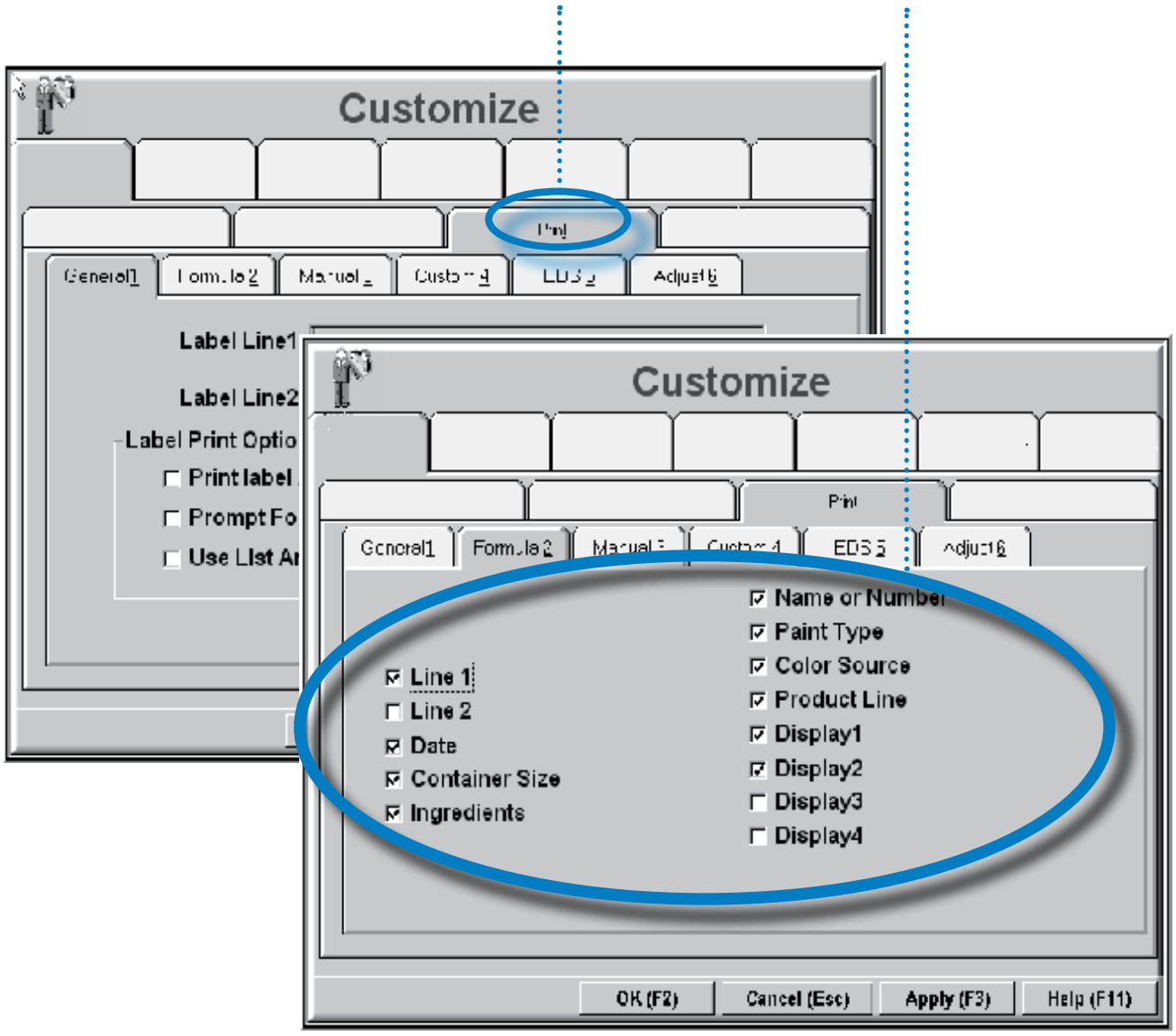
Then, click the **Apply** button (***F3***). Fluid Management recommends you check all three boxes for the best performance of your Accutinter 1500.

Apply (*F3*)

Click the **Apply** button to apply the tabs you have selected.

What can I do with Customize?
Using the **Customize** menu
Printing

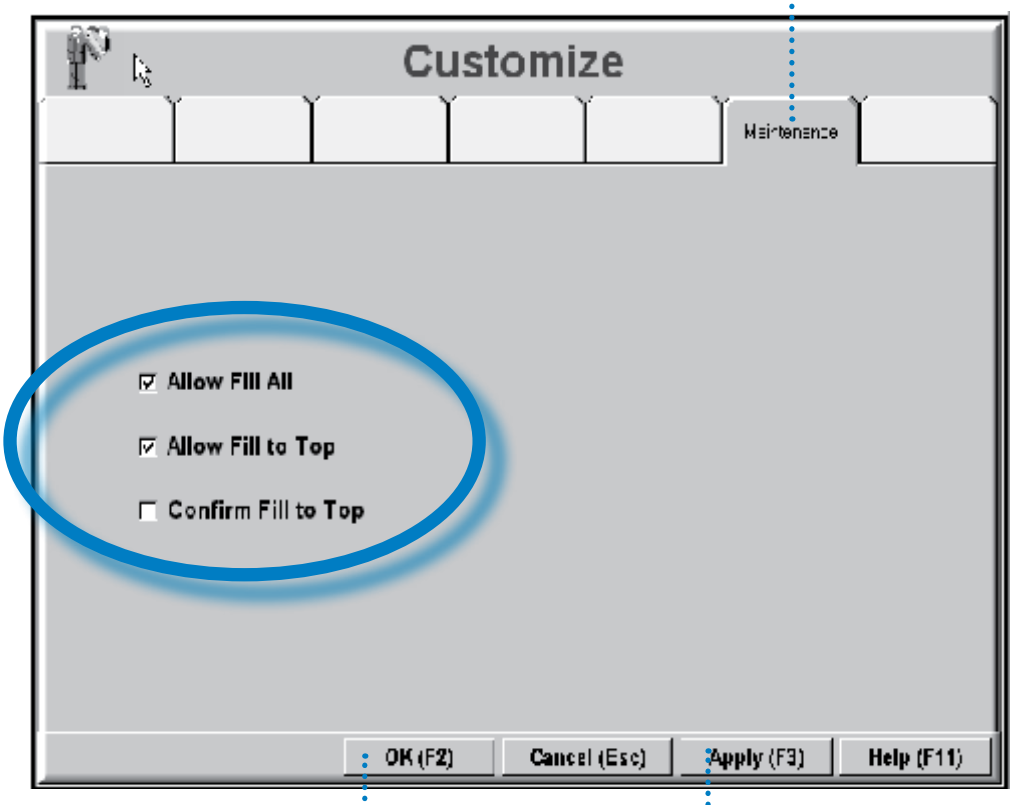
Select the **Print** tab from the **Customize** menu. Check the boxes under Label Print Options for the information you want printed on your optional label printer.*



* The printer is an optional accessory.

What can I do with Customize?
Using the **Utilities** menu
ColorPro™ Maintenance

Select the **Maintenance** tab from the **Customize** menu.



1 Check the boxes for the actions you want to allow when filling canisters and performing maintenance functions.

►Allow Fill All
Allows you to fill all of the canisters at once and update in ColorPro™.

►Allow Fill to Top
Allows you to fill each canister one at a time and update in ColorPro™.

►Confirm Fill to Top
Check the box to get a prompt that asks you for confirmation that you want to fill the canisters to the top.

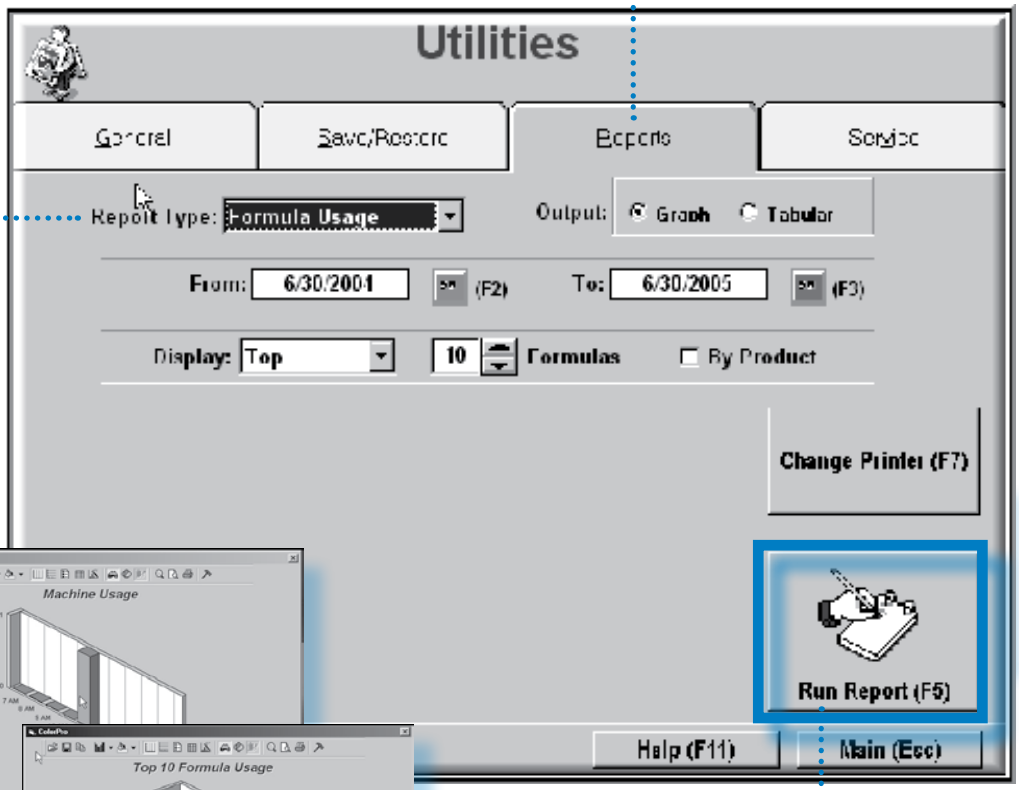
3 **OK (*F2*)**
Click here to move to the next screen.

2 **Apply (*F3*)**
Click here to apply the options you have selected.

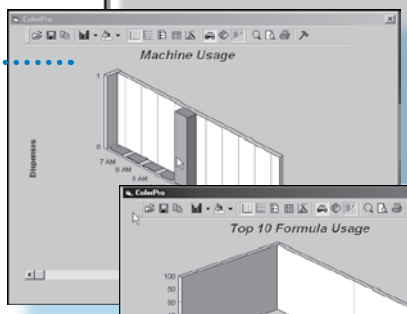
What can I do with Utilities?
Using the **Utilities** menu
Making reports

Click on the **Reports tab**. In the **Reports** menu, you can run three different report types - **Formula Usage**, **Colorant Usage**, and **Machine Usage**.

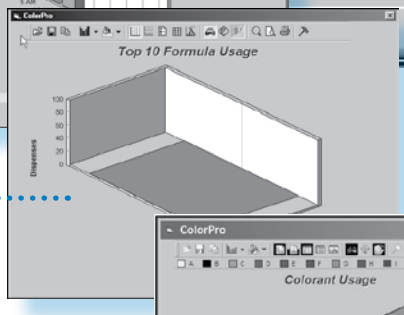
1 Select the report type you want to run from the drop down window. Select the output method. Enter the dates you want the report for, and select how many formulas.



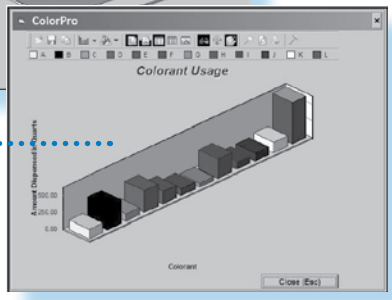
Machine usage
Shows you how much colorant you have used.



Top 10 Formula Usage
Use to show you the top ten formulas your machine dispenses.



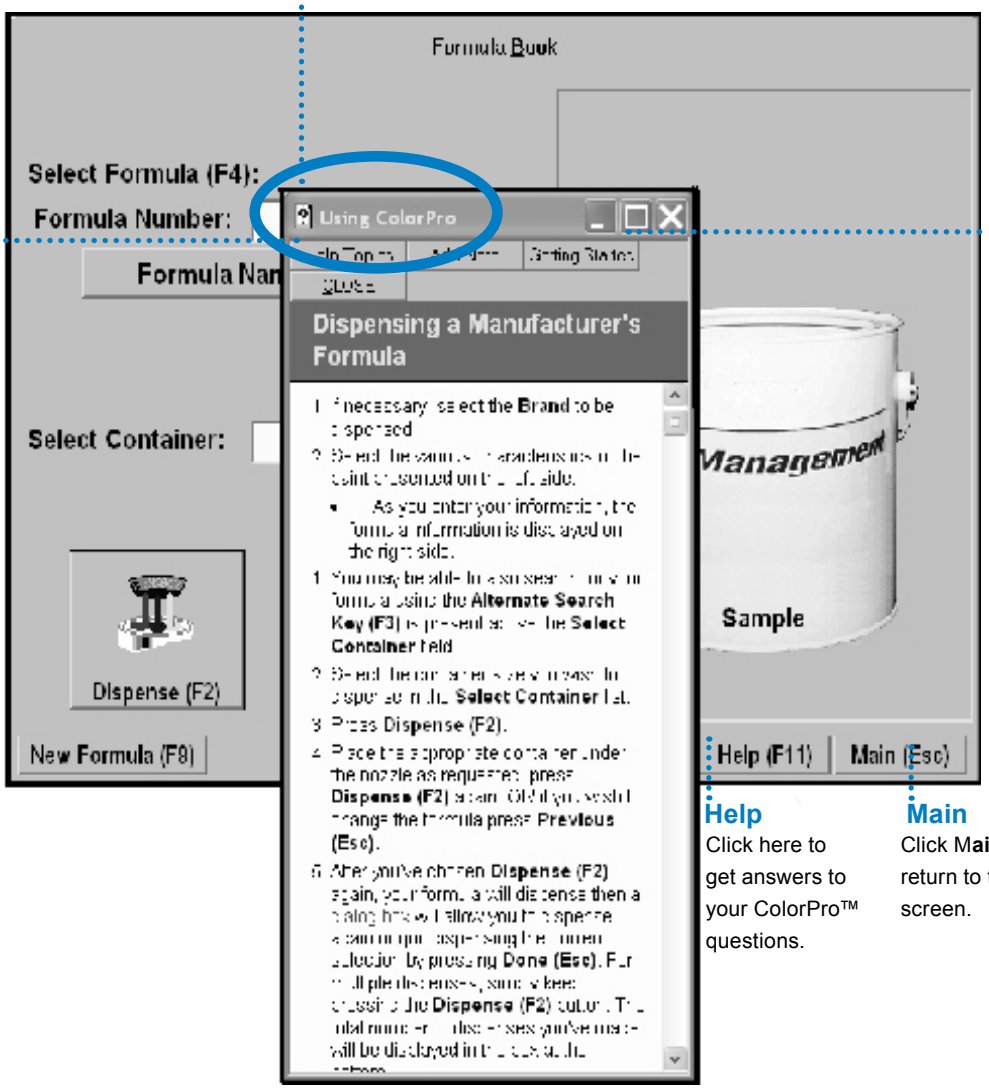
Colorant Usage
Shows the amounts dispensed.



2 **Run Report (*F5*)**
Click here for ColorPro™ to run the report you selected.

Where do I go to learn more?
Using **ColorPro™**

Using ColorPro™ allows you to find answers to your questions about ColorPro™.



Help Topics
Click here to see a list of **Help** topics.

If you didn't find what you were looking for, call Customer Support Services or go to www.fluidman.com for frequently asked questions.

Getting Started
Click here to learn basic navigational tools.

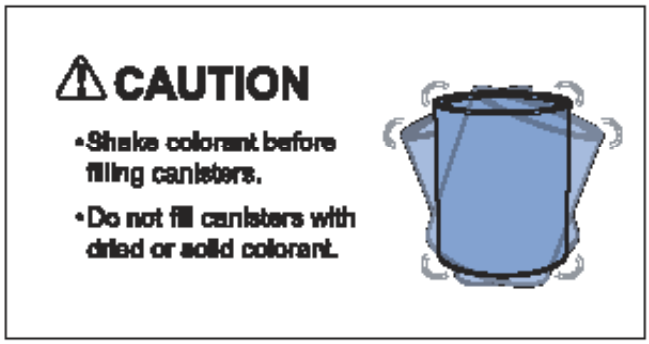
Help
Click here to get answers to your ColorPro™ questions.

Main
Click **Main** to return to the main screen.

FM Customer Support Services 1.800.462.2466

Maintenance, Care, and Use

Your Accutinter 1500 depends on clean and well maintained parts. To ensure dispensing accuracy and increase the operation of your Accutinter 1500, clean the nozzle at least once a day and follow the maintenance schedule detailed below:



Unplug from outlet before servicing. Make sure all programs are shut down before unplugging.

PERFORM EVERY DAY:
• Clean each of the nozzles with the recommended nozzle cleaner (PN 29763).
• Clean the nozzle cover liner. Replace if necessary (PN 33221).
• Remove all excess colorant and debris from the nozzle and nozzle area.
• Complete a purge by using ColorPro™ (see page 35).
• Clean all accessible surfaces and cabinet with a mild cleaning solution.
PERFORM EVERY WEEK:
• Clean the excess colorant and debris from around canisters.
EVERY SIX MONTHS:
• Check the calibration and re-calibrate as required.*

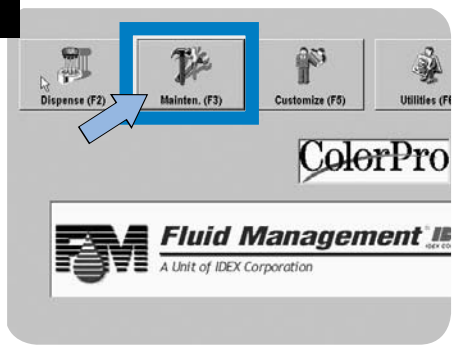
* This should be performed by a Fluid Management authorized service technician.

Daily Nozzle Cleaning Instructions

Your Accutinter 1500 will perform best if the nozzle and colorant lines are purged and cleaned every day.

If you use your machine frequently, Fluid Management recommends cleaning and purging the nozzle more than once a day. The instructions for cleaning the nozzles and filling the colorant canisters are on the next three pages.

1

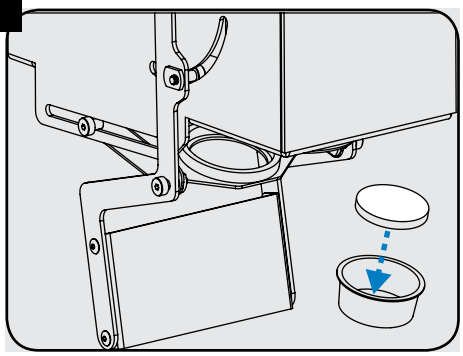


Open the nozzle cover and clean the nozzle.

1- From the main screen, select **Maintenance** (***F3***).

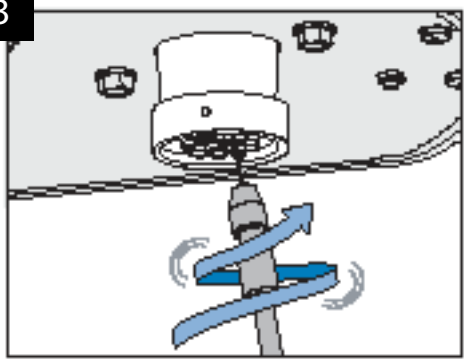
2- Move the arm so you can access the nozzles.

2



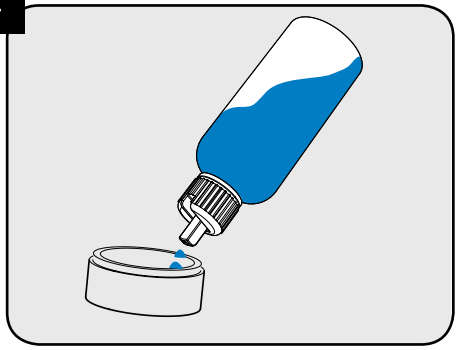
Remove the cup holder from the nozzle closer.

3



Clean each nozzle opening with a nozzle cleaner. Use a circular motion to make sure each opening is clean.

4



Clean the inside of the cup liner and sponge with water.

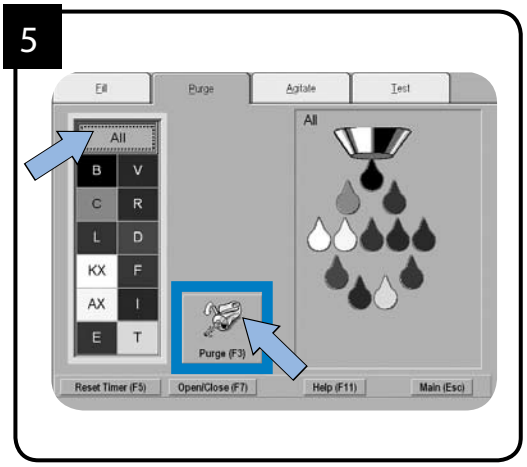
1- After cleaning, insert the sponge and fill the cup liner with water to keep the colorants moist.

2- Return the cup holder to the bracket.

FM Customer Support Services 1.800.462.2466

Maintenance, Care, and Use
Daily Nozzle Cleaning Instructions

5



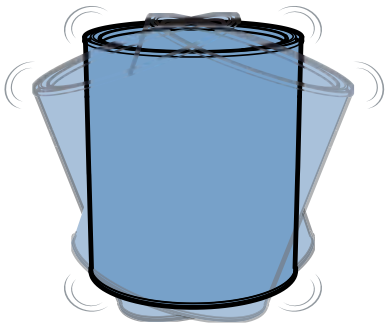
Purge the colorants.

1- Make sure the **All** button is selected on the left hand side of the screen.
2- Click the **Purge** button (***F3***).
3- When prompted, place a container under the nozzle.
4- Select **Dispense**, when prompted (***F2***).

Maintenance, Care, and Use
Filling the canisters

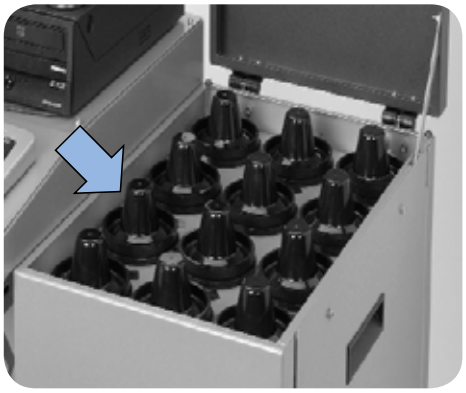
Follow these instructions to fill the colorant canisters.

1



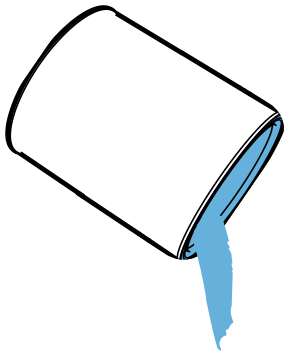
Shake the colorant can thoroughly to mix the colorant as required by the manufacturer.

2



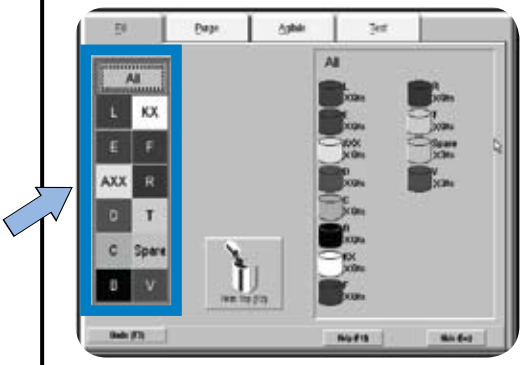
Remove the canister covers one at a time so the colorants do not get mixed up.

3



Add the colorant.
1- After shaking, open the cans one at a time.
2- Slowly add the colorant to the open the canister.
NOTE! **Do not fill to the edge of the canister because colorant can over-flow.**

4

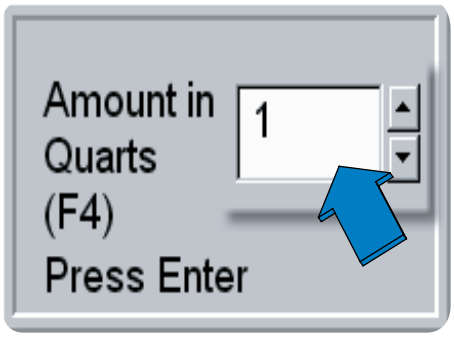


Update ColorPro™ for each colorant you add:
1- Select **Maintenance**.
2- Click the correct colorant button from the left hand side of the screen.

FM Customer Support Services 1.800.462.2466

Maintenance, Care, and Use
Filling the canisters, *continued*

3

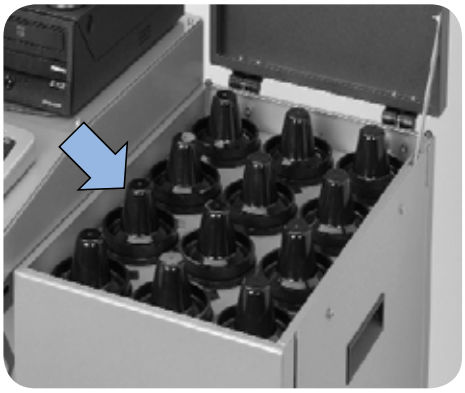


Update the canisters.

1- Enter the amount of colorant you added to the canister in the text box.

2- Press **Enter**.

4



Repeat entire process for each empty canister.

What if I have a problem?
Frequently Asked Questions

Troubleshooting chart

Most of the problems listed in this section can be prevented by daily cleaning and by purging the nozzle. See the **Maintenance, Care and Use** section in this manual for instructions.

Use the chart below to locate the problem and perform the recommended actions in the last column.

Contact ***Fluid Management Customer Support Services*** if you are unable to find a resolution.

PROBLEM	FIRST CHECK:	ACTION
The machine is dispensing mis-tints.	…Do the fill settings in ColorPro™ match what is inside the canister?	**Compare the canister contents with the fill settings. Adjust if necessary:** ***1-*** Look inside the canister and compare the contents with what the fill settings in ColorPro™ show. ***2-*** If they do not match, fill the canister and adjust the colorant level in ColorPro™ (see page 34).
	…Have the nozzle openings been cleaned recently?	**Clean the nozzles:** ***1***- Clean each nozzle opening with a nozzle cleaning tool. ***2***- Remove all excess colorant from around the nozzles (see pages 45-46). ***3-*** Purge the lines with ColorPro™ (see page 35). ***4***- Repeat cleaning and purging if necessary.
	…Is the Accutinter dispensing accurately?	▪ Dispense one ounce of each colorant into a marked measuring container (see page 35). If you notice any colorants are not dispensing, call ***Customer Support Services*** for assistance.
The colorant shoots to the side during a dispense.	…Have the nozzles been cleaned recently?	***1***- Clean the nozzle. Remove all excess colorant and dried debris. ***2-*** Purge the colorant line. ***3-*** Repeat if necessary.

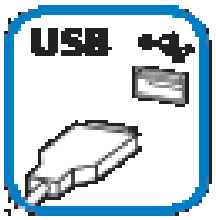
What if I have a problem?
Frequently Asked Questions

Troubleshooting chart

PROBLEM	FIRST CHECK:	ACTION
The nozzle closer is not opening or closing.	…Is the nozzle closer covered with dried colorant and debris?	▪ Clean all dried colorant and debris from the nozzle closer area. Make sure the nozzle arm is clean so it moves freely. ▪ If the nozzle closer still does not close, call ***Customer Support Services.***
Colorant drips or runs after dispensing.	…Is ColorPro™ prompting you to fill the canister?	***1-*** If yes, fill the canister with colorant (see page 47). ***2-*** Agitate for up to three minutes (see page 36). ***3-*** Purge the line (see page 35).
	...Do the nozzle openings need to be cleaned?	▪ If the canister is full, clean the nozzle and complete a purge using ColorPro™ (see page 35). Repeat if necessary.
	…Does the colorant have air in it?	▪ Complete a purge using ColorPro™. Repeat if necessary.
A colorant canister needs to be filled.		▪ Follow the ***"Filling the colorant canisters"*** instructions on page 47.
The canister cover and lids need to be cleaned.		▪ Soak the canister covers in hot water and mild detergent. Wipe off the excess debris and dried colorant when the colorant has loosened. ▪ Scrape the excess colorant off with a putty knife.
The colorant coming out of the nozzle is drippy or clumpy.	...Do the nozzle openings need to be cleaned?	▪ Clean the nozzle openings and purge the lines (see pages 47-48). The colorant should come out of the nozzle in a steady stream.

What if I have a problem?
Frequently Asked Questions

Troubleshooting chart

PROBLEM	FIRST CHECK:	ACTION
The machine is not dispensing.	…Is the machine turned on and plugged in?	▪ Make sure the power cord is plugged in. ▪ **Restart the machine:** ***1***- Exit ColorPro™. ***2***- Shut down the computer. ***3***- Wait 30 seconds. ***4***- Turn the computer back on. ▪ Perform a pulse test with ColorPro diagnostics (see page 37). If the problem still persists, call Customer Support Services.
There is no power.	…Is the machine turned on and plugged in? …Is there power at the receptacle? …Is the surge protector turned on?	▪ Make sure the power cord is plugged in. Replace the power cord if it is damaged. ▪ Check the circuit breaker. ▪ Turn on the surge protector; replace if necessary.
The printer is not printing.	…Is the power cord firmly connected to the computer and functioning properly? …Is the USB cable connected at both ends? 	▪ Make sure the printing device is properly connected. ▪ Unplug the power to the printer for 30 seconds and then replug. Try to print again. ▪ Restart the computer. After restarting, print again. ▪ If you still have problems, after following these suggestions, contact the Dymo printer manufacturer at **1.800.426.7827**
The motor is running erratically or not at all.	…Is the dispenser on a dedicated line?	▪ If no, plug the dispenser into a dedicated 115 Volt line.

What if I have a problem?
Frequently Asked Questions

Troubleshooting chart

PROBLEM	FIRST CHECK:	ACTION
One or two colorants are not dispensing.	…Are the nozzles clogged?	▪ Follow the daily nozzle cleaning instructions (see page 45).
How do I clean the nozzle openings?		▪ Follow the daily nozzle cleaning instructions (see page 45). ***AND*** ▪ Follow the "Daily Nozzle Cleaning Instructions" on the inside of the top cover of your machine each day.
The computer doesn't start when you press the power button.	…Is the power cord plugged in?	▪ Make sure the power cord is plugged into the rear of the computer and to a working electrical outlet.
The monitor screen is blank.	…Is the power turned on and are the cables attached?	▪ Make sure the cable is plugged into the back of the monitor and to the back of the computer. ▪ Make sure the power cord is plugged to the back of the computer and to a working electrical outlet. ▪ Make sure the recommended surge protector is turned on.
The keyboard isn't responding.	…Are all the cables securely attached between the cmputer and the keyboard? …Are all the cables securely attached between the computer and the keyboard? …Does the keyboard need replacing?	▪ If not, firmly attach all cables. ▪ If not, firmly attach all cables. ▪ Replace the keyboard.

What if I have a problem?
ColorPro™ Troubleshooting

Troubleshooting chart

PROBLEM	FIRST CHECK:	ACTION
General ColorPro™ related	…Make sure ColorPro™ is installed. …Can you find the answer in the **Help** section of ColorPro™? …Make sure your computer is properly connected.	▪ Turn on the computer. Does the ColorPro™ main screen open up? If yes, then ColorPro™ is installed. ▪ Look in **ColorPro Help** for instructions and troubleshooting information. ▪ Make sure the communication cable connects the computer to the dispenser. ▪ If screen savers have been installed recently, they may conflict with ColorPro™. Uninstall the screen savers. ▪ **Restart the computer:** ***1***- Exit ColorPro™. ***2***- Shut down the computer. ***3***- Wait 30 seconds. ***4***- Turn the computer back on. ▪ If none of these suggestions work, call ***Customer Support Services***.
A message in ColorPro™ says, "*Communication to dispenser has been severed. Recheck connections and try again.*"	…Make sure the communication cable is connected between the computer and the machine.	▪ Exit ColorPro™. ▪ Shut down the computer. ▪ **Restart the computer:** ***1***- Exit ColorPro™. ***2***- Shut down the computer. ***3***- Wait 30 seconds. ***4***- Turn the computer back on. ▪ If you still receive the message, call ***Customer Support Services***.

FM Customer Support Services 1.800.462.2466

What if I have a problem?
ColorPro™ Troubleshooting

Troubleshooting chart

PROBLEM	FIRST CHECK:
A message in ColorPro™ says, "*Encoder pulse failure. Motor failed on canister containing...*"	***1-*** Click the **Maintenance** button ***(F3).*** ***2-*** Click the **Test** tab***.*** ***3-*** Select the **Pulse Test** button***.*** Then, click on the **Test** button ***(F2).*** ***4-*** If the test fails, call Customer Support Services.
ColorPro™ gives you a message that says the colorant canister needs to be filled...	▪ Follow the instructions for adding colorant in the Maintenance section of the manual (see page 47).
The optional barcode scanner won't work...	***1-*** You must have ColorPro™ Professional for barcoding capability, ***2-*** Select the **Customize** menu. ***3-*** Make sure the **Enable Barcoding** box is checked in the **Options** menu (see page 38). ***4-*** Click the **Apply** button, and then click the **OK** button (***F2***).
If you suspect a problem with the label printer...	Contact the printer manufacturer at **1.800.426.7827**
If you suspect a problem with the colorants...	Contact your department manager or store manager.

Service

Service:

- FM Direct® Factory Direct Service Technicians located throughout the United States, Puerto Rico, Hawaii, Canada and the Bahamas.
- On site setup and training for store personnel.

2007 FM Direct® Service Technician Locations:

Phoenix, AZ.	Atlanta, GA.
Sacramento, CA.	Chicago, IL.
San Jose, CA.	Louisville, KY.
Los Angeles, CA.	Winston-Salem, N.C.
San Diego, CA.	Baltimore, MD.
Denver, CO.	Yonkers, N.Y.
Hartford, CT.	Syracuse, N.Y.
St. Louis, MO.	Boston, MA.
Dallas, TX.	Detroit, MI.
San Antonio, TX.	Twin Cities, MN.
Houston, TX.	Columbus, OH.
Memphis, TN.	Philadelphia, PA.
Miami, FL.	Richmond, VA.
Orlando, FL.	Seattle, WA.
Pensacola, FL.	Toronto, CANADA
Tampa, FL	

Always observe the following precautions in order to reduce the risk of accident:

Do not attempt to service a product yourself unless instructed to do so by Fluid Management Customer Support Services. Use only a service provider who is approved to repair your particular product.

Note: Some parts can be upgraded or replaced by the customer. These parts are referred to as Replacement parts. Fluid Management expressly identifies parts as such, and provides documentation with instructions when it is appropriate for customers to replace those parts. You must closely follow all instructions when performing such replacements. Always make sure that the power is turned off and that the product is unplugged from any power source before you attempt the replacement.

Fluid Management Customer Support Services:
1.800.462.2466
www.fluidman.com

Save time and money. If something should go wrong, we suggest consulting the maintenance and service section of this book. It is designed to solve basic problems before consulting a service technician. It also provides replacement part information for you.

However, should you need assistance, please have your model and serial number ready. Be located near your machine when you call and have a Purchase Order number if ordering parts.

On the right side of the machine is a black and silver sticker. It includes the serial number and model number of your machine. Please make a note of these numbers below:

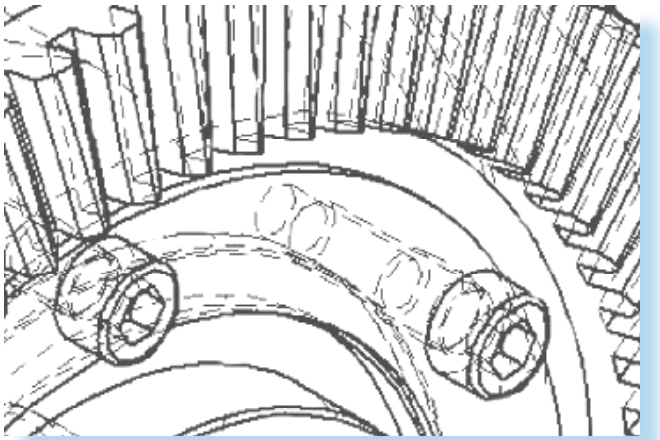
Date of purchase: _____

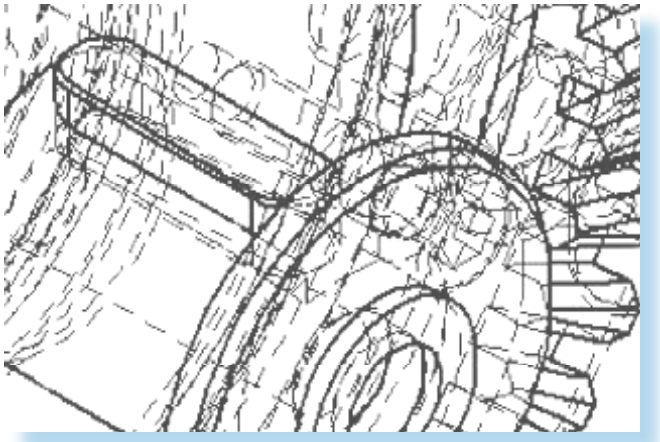
Model Number: _____

Serial Number: _____

Your Service Technician's Name: _____

Replacement Parts





This section is designed to assist you in:

- **IDENTIFYING SERVICE FUNCTIONS**

  and

- **IDENTIFYING REPLACEMENT PARTS**

Occasionally, you may experience a complication with one of our products. If this should happen, please call our toll-free number and we can help you solve the problem or send you replacement parts.

TERMS: Unless prior arrangements have been made, parts will be shipped **UPS** - C.O.D. All prices are FOB, Wheeling, Illinois and are subject to change without notice.

In all correspondence or phone orders, please state the model number and the serial number of the machine.

Orders less than $30.00 will be assessed an $8.00 handling charge.

There is a restocking fee of 25% on all returned goods.

RETURNS: No parts are to be returned without prior authorization. A Returned Goods Authorization (**RGA**) or Returned Materials Authorization (**RMA**) number is required.

All warranty repairs must be performed by FM Direct® or FM authorized service personnel. Any service work performed by non-authorized service personnel will void the FM Original Equipment Manufacturer warranty.

Calling for service

If you have tried to correct the problem yourself and still need help during the warranty period and after, you can get support and information by telephone through the Fluid Management Customer Support Services Center. The following services are available:

PROBLEM DETERMINATION - Trained personnel are available to assist you with determining what kind of action is necessary to fix the problem and help you order parts.

ENGINEERING CHANGE - Occasionally, there might be changes or parts that are required for your machine, after a product has been sold. Fluid Management will make selected parts available to your equipment.

HAVE THE FOLLOWING INFORMATION AVAILABLE WHEN CALLING FLUID MANAGEMENT Customer Support Services:

- A description of the problem (for example, the dispenser is producing mis-tints, or the computer is frozen).
- What you have tried to do already.
- The type of machine, computer and software.
- The serial number of the machine.
- The version of software, third party software, or external devices, (especially if the issue involves software you have added to the computer).

PLEASE BE IN FRONT OF THE MACHINE WHEN YOU CALL.

ColorPro™ upgrades

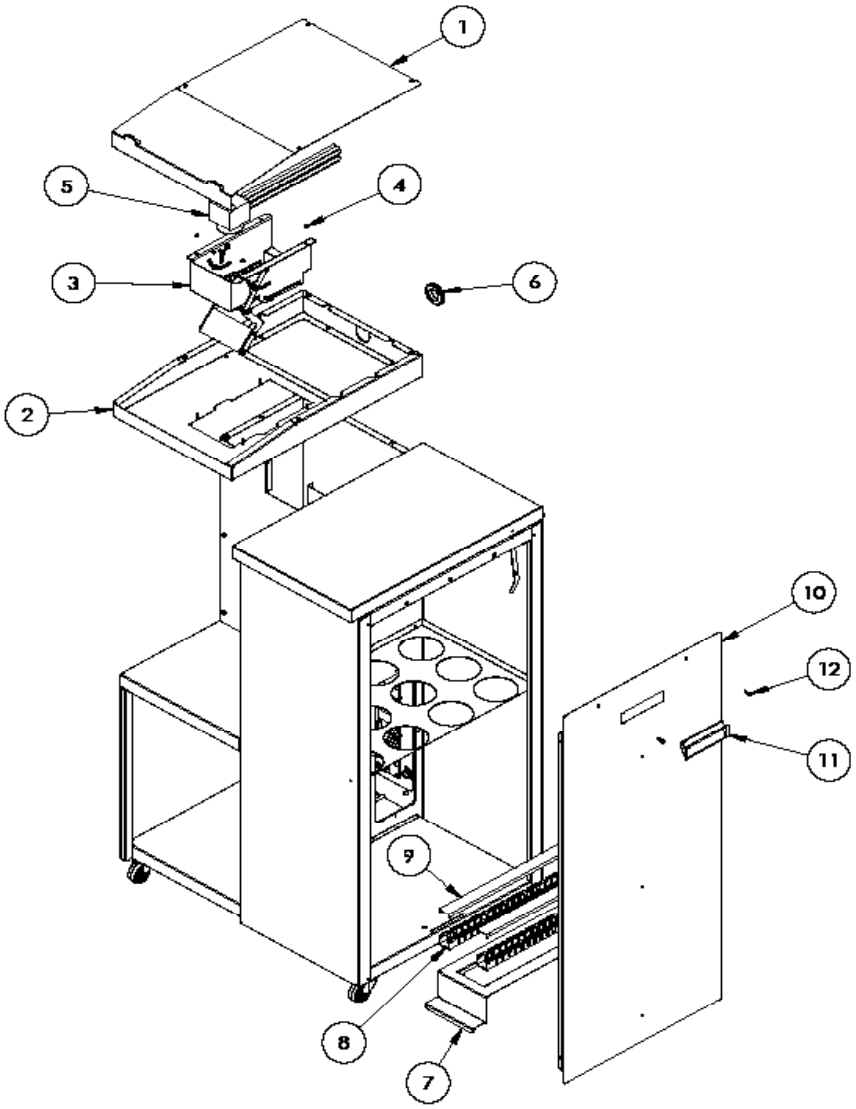
Purchasing upgrades, additional licenses, and technical support software upgrades and technical support are available for a fee through Fluid Management. For information about purchasing additional licenses for ColorPro™, call Customer Support Services.

Purchasing additional accessories

During and after the warranty period, you can purchase additional services such as support and installation for Fluid Management equipment and accessories like barcode scanners, label printers, computers, and monitors.

FM Customer Support Services 1.800.462.2466

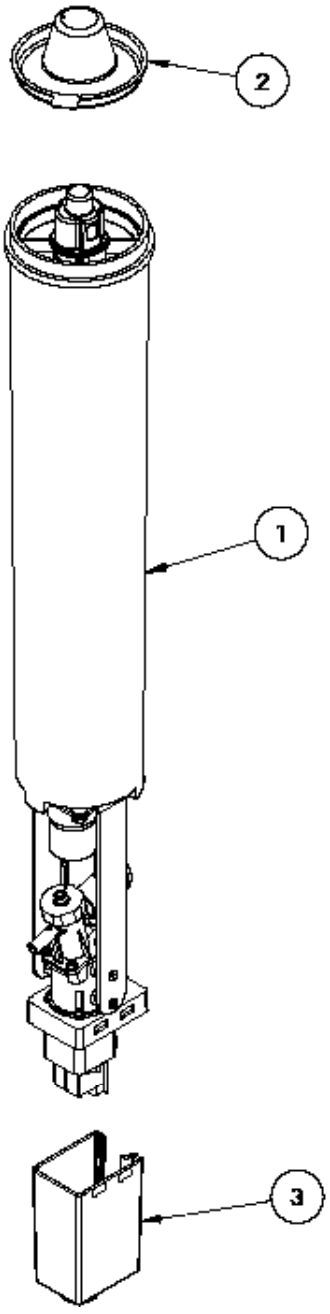
Accutinter 1500 Main components



ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	32790	Keyboard cover	1
2	32789	Keyboard housing	1
3	32880	Nozzle closer assembly (see page 61)	1
4	NSS*	Hex nut, M4	5
5	33097	Nozzle block with tubing	1
6	01328	Rubber grommet	2
7	33043	Elevated raceway bracket	1
8	01320	Wire raceway	1
9	01325	Raceway cover	4
10	32776	Panel, canister access	1
11	15134	Pocket pull	1
12	NSS*	Phillips head machine screw, M5	As needed

*Not sold separately.

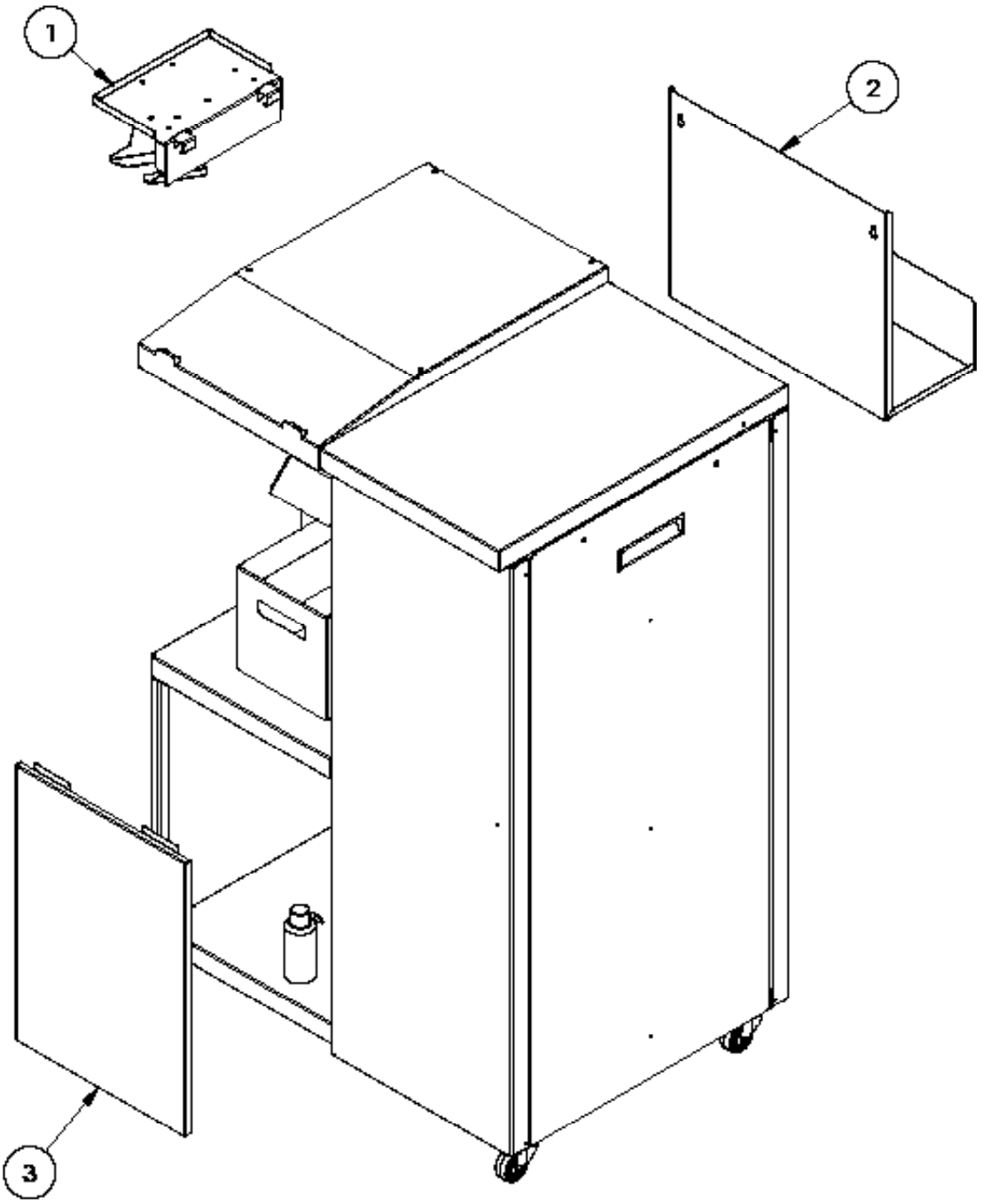
Canister, Three-quart, 32483



ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	32483	Canister, three-quart	As needed
2	32437	Lid, three-quart canister	As needed
3	32499	Cover, pump housing	As needed

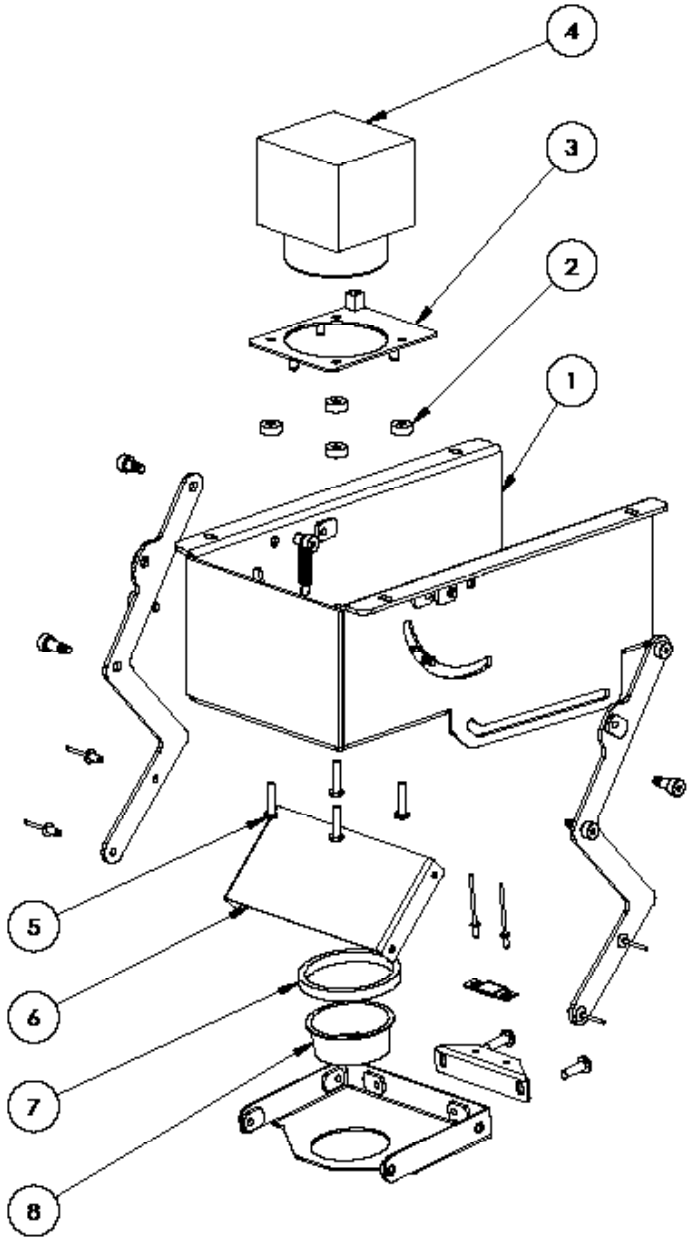
*Not sold separately.

Accutinter 1500 optional accessories



ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	32085	Label printer tray	1
2	32799	Rear mounted computer support bracket	1
3	33045	Front cover storage panel	1

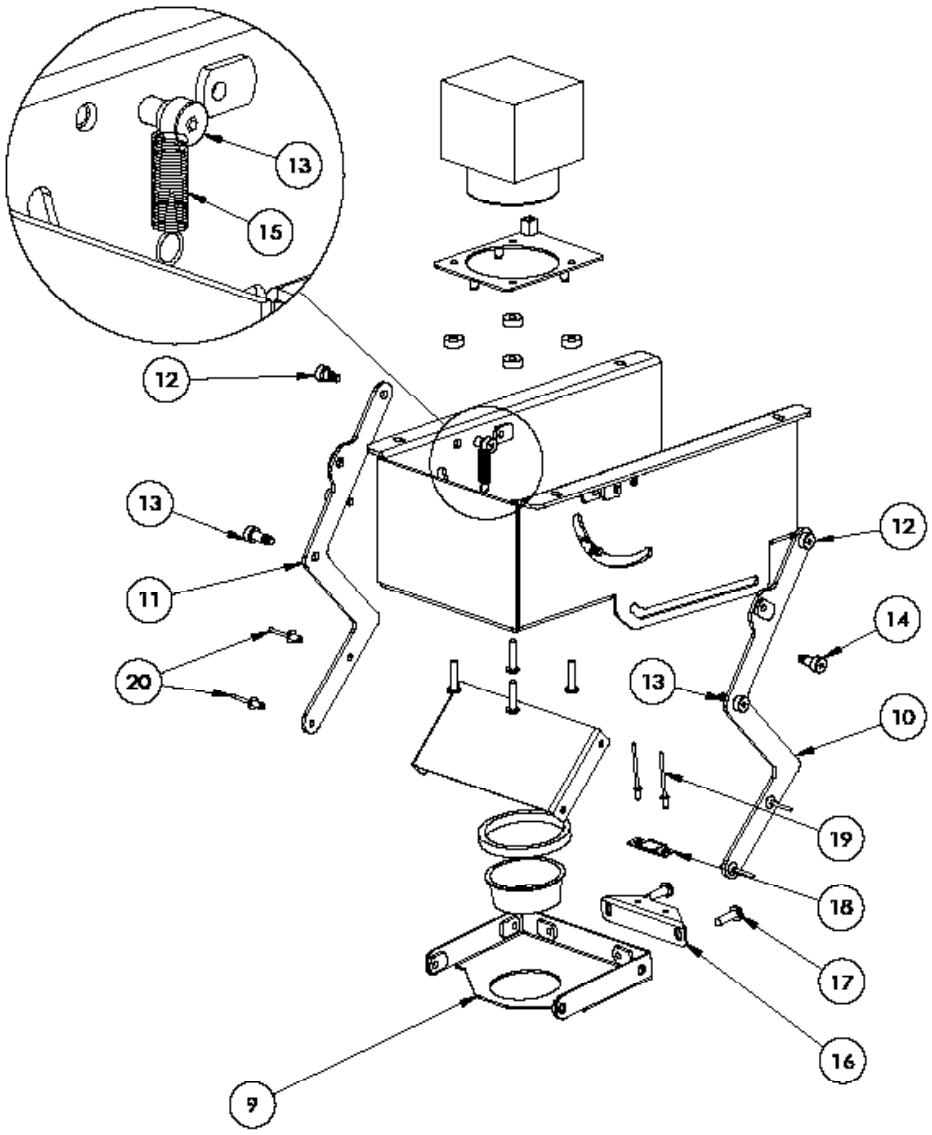
Nozzle block assembly 32880



ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	32885	Bracket, weldment, nozzle closer	1
2	F0130080304N	Standoff, R, 1/2 x 3/16	4
3	29687	PCB, LED locator board	1
4	29782	Twelve position nozzle block assembly	1
5	NSS*	Screw, 8 - 32 x 3/4, PH, PAT	4
6	32882	Bracket, plate, link, arm	1
7	29766	Gasket, seal, PU	1
8	33221	Cup liner	1

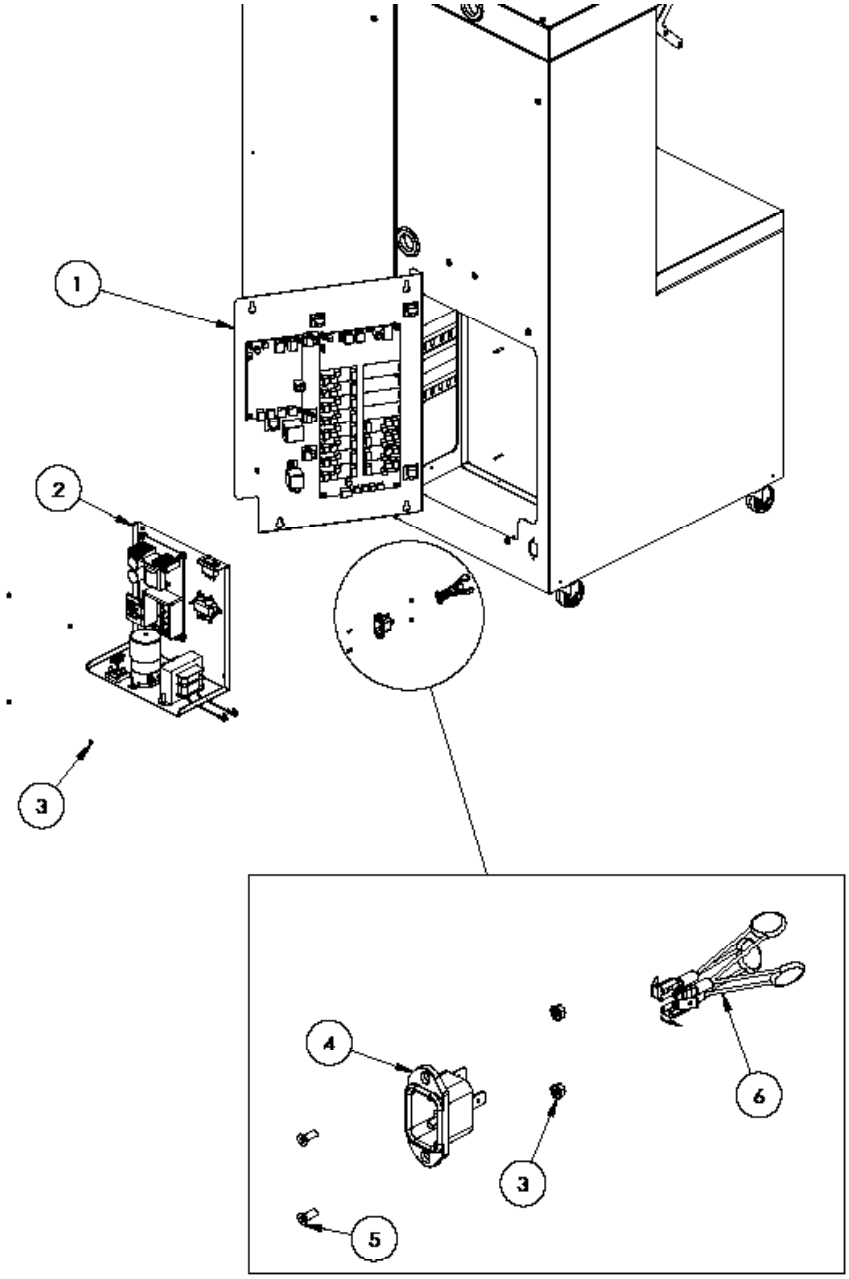
*Not sold separately.

Nozzle block assembly 32880, continued



ITEM	PART NUMBER	DESCRIPTION	QUANTITY
9	32881	Drip catcher bracket	1
10	32887	Arm link weldment, right	2
11	32886	Arm link weldment, left	2
12	F015306005	Screw, shoulder, 6MM	2
13	F015306010	Screw, shoulder, 6MM	6
14	F015306008	Screw, shoulder, 6MM	2
15	33092	Spring, extension	2
16	33091	Bracket holder magnet	1
17	F0071A005P16	Screw, PHCS, M5 x 16 MM	2
18	29926	Magnet, ultra thin	1
19	F003742ASC	Rivet, 1/8” diameter, 1/16 - 1/8	2
20	F003752SS	Riv-nut, 5/32 x 1/8 STL	4

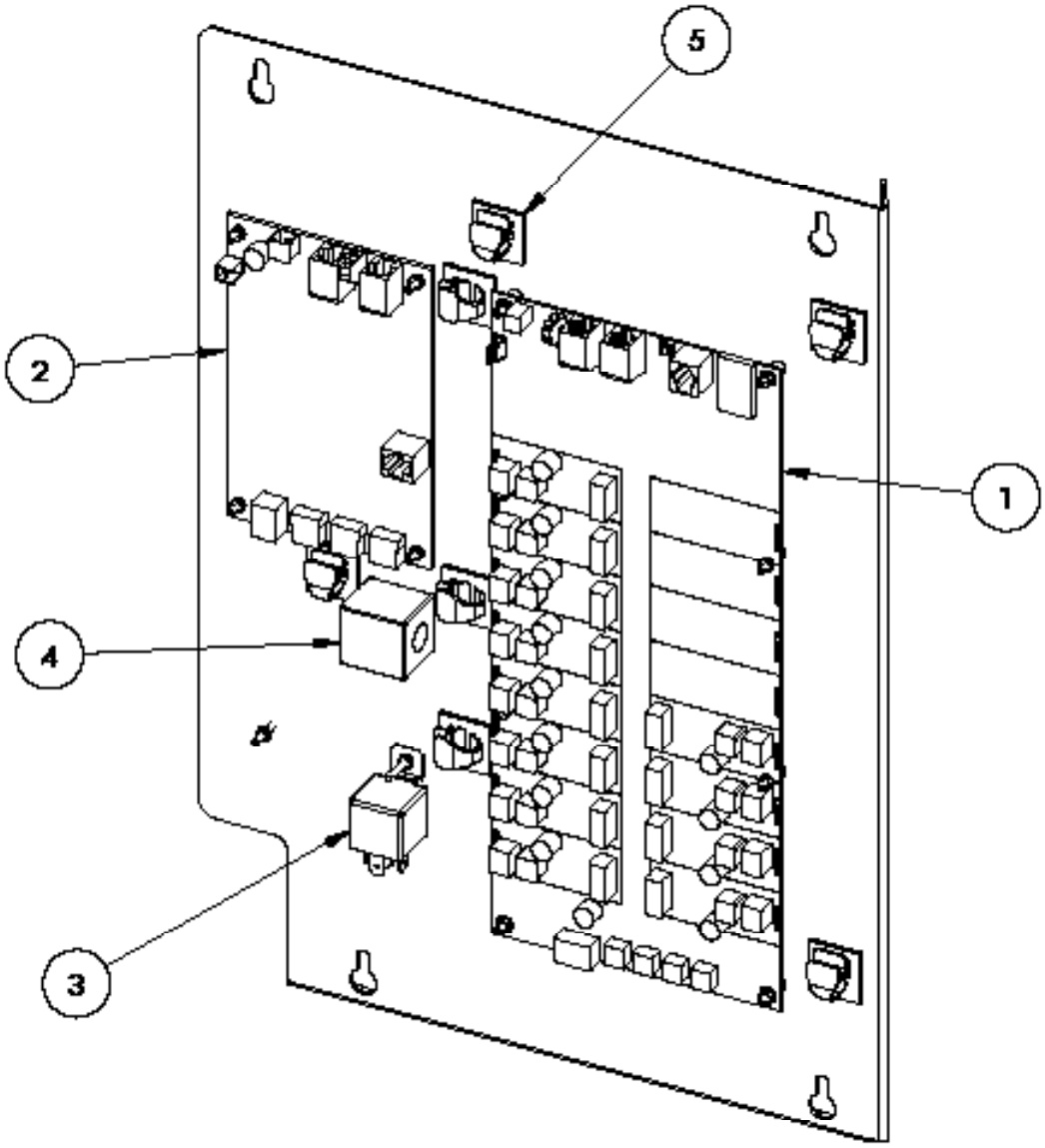
Accutinter 1500 Electronics and power supply



ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	32805	PCB panel assembly	1
2	33299	Power supply assembly	1
3	NSS*	Hex nut, M3 x 0.5 KEPS	6
4	81791333RH	Receptacle outlet	1
5	NSS*	FHCS Screw, M3 x 0.5 x 8	2
6	23444	Power cord (not shown)	1
7	29957	USB cable, 6 feet (not shown)	1

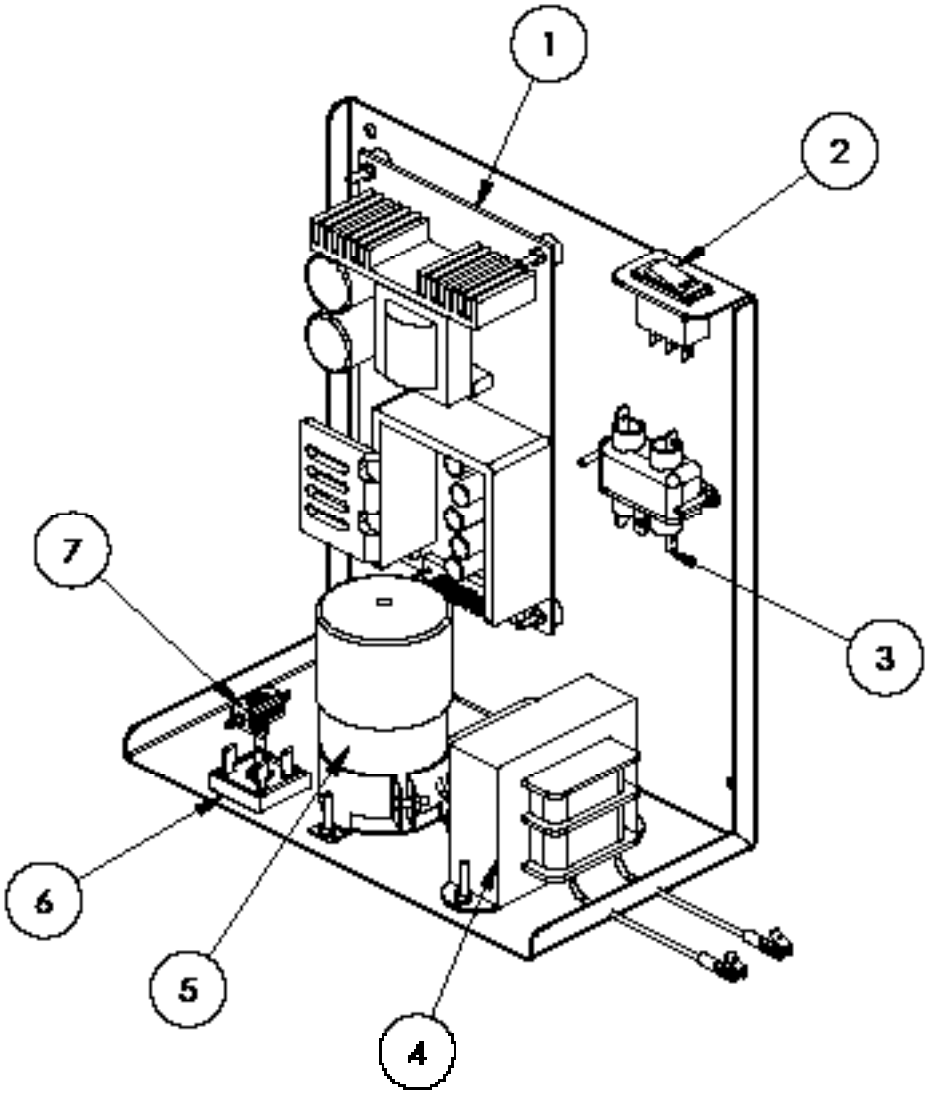
*Not sold separately.

PCB panel assembly 32805



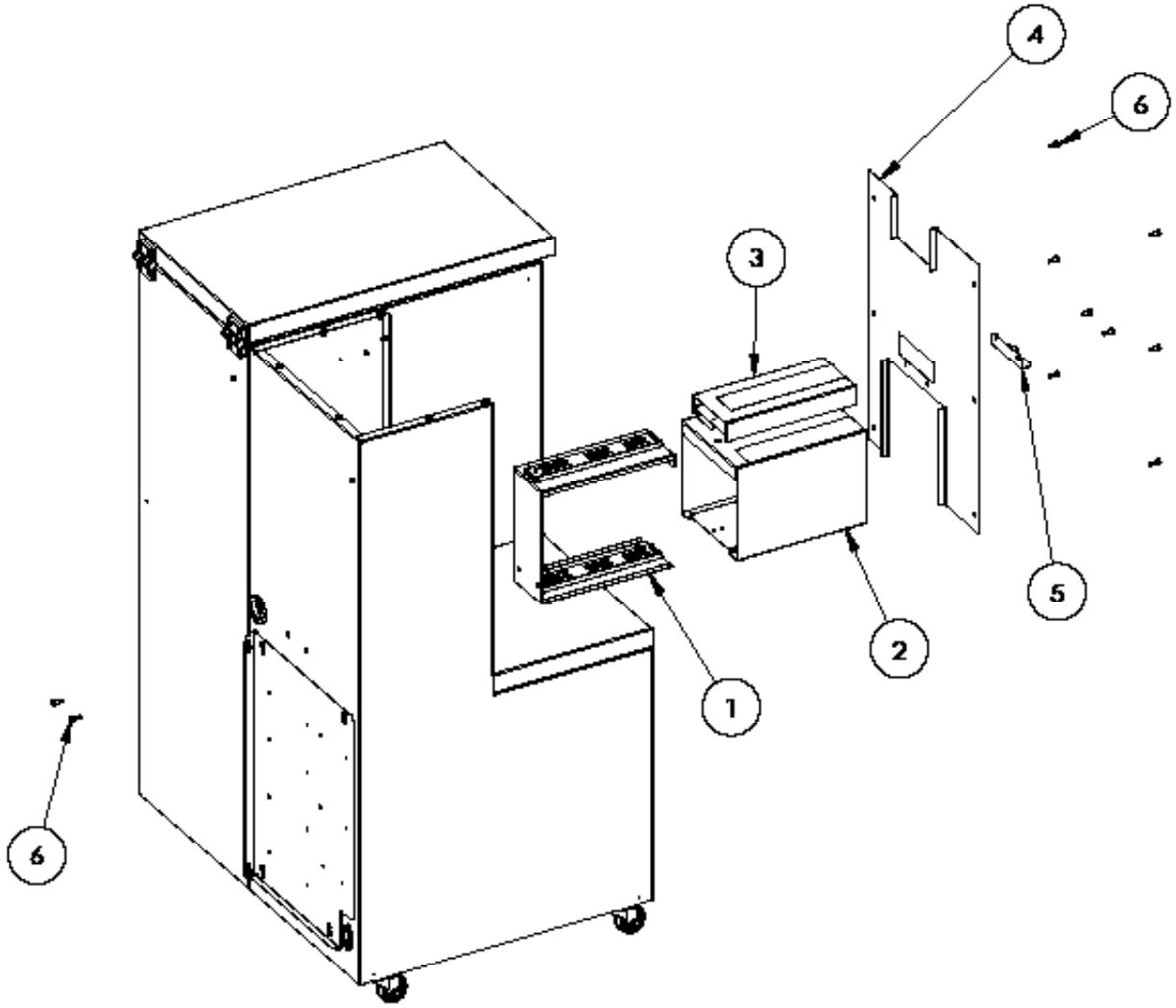
ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	87141512RH	PCB Board, twelve channel	1
2	87129350RH	PCB Board, dispense coordinator	1
3	83032797RH	24 Volt DC Relay, OHMS	1
4	30964	Ferrite bead connector, large	1
5	4000101	Cable hold down clamp, medium	7

Power supply assembly 33299



ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	83812024RH	24 Volt DC Power supply	1
2	81512115RH	Circuit breaker rocker switch	1
3	81590125RH	Line filter	1
4	87337524RH	Transformer	1
5	82118000RH	Capacitor	1
6	81102508RH	Bridge diode	1
7	82501001RH	Resistor	1

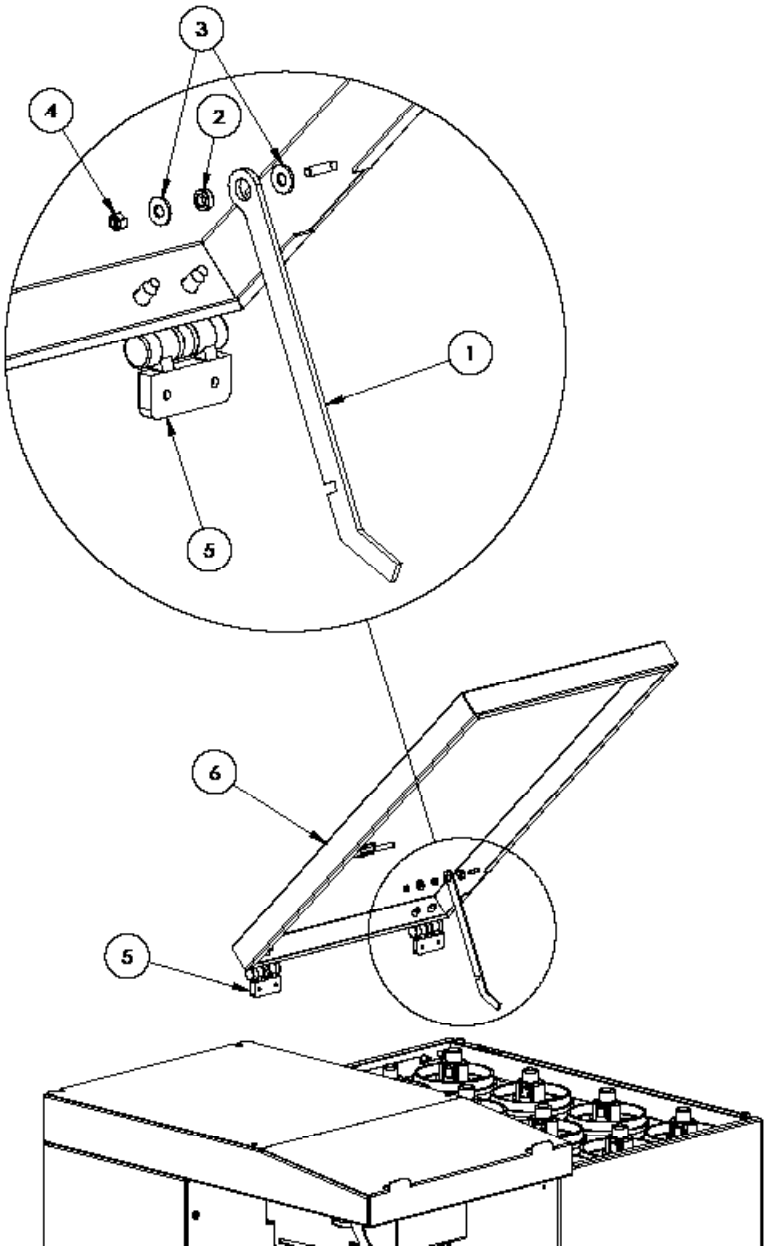
Shelf components, 33319, 33321



ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	33318	Drawer slide mounting bracket	1
2	33319	One-gallon shelf kit	1
3	33321	Quart shelf kit	1
4	32779	Front shelf panel	1
5	32856	Bracket	1
6	F0071A005P16	Screw, PHCS, M5 x 16MM	As needed

*Not sold separately.

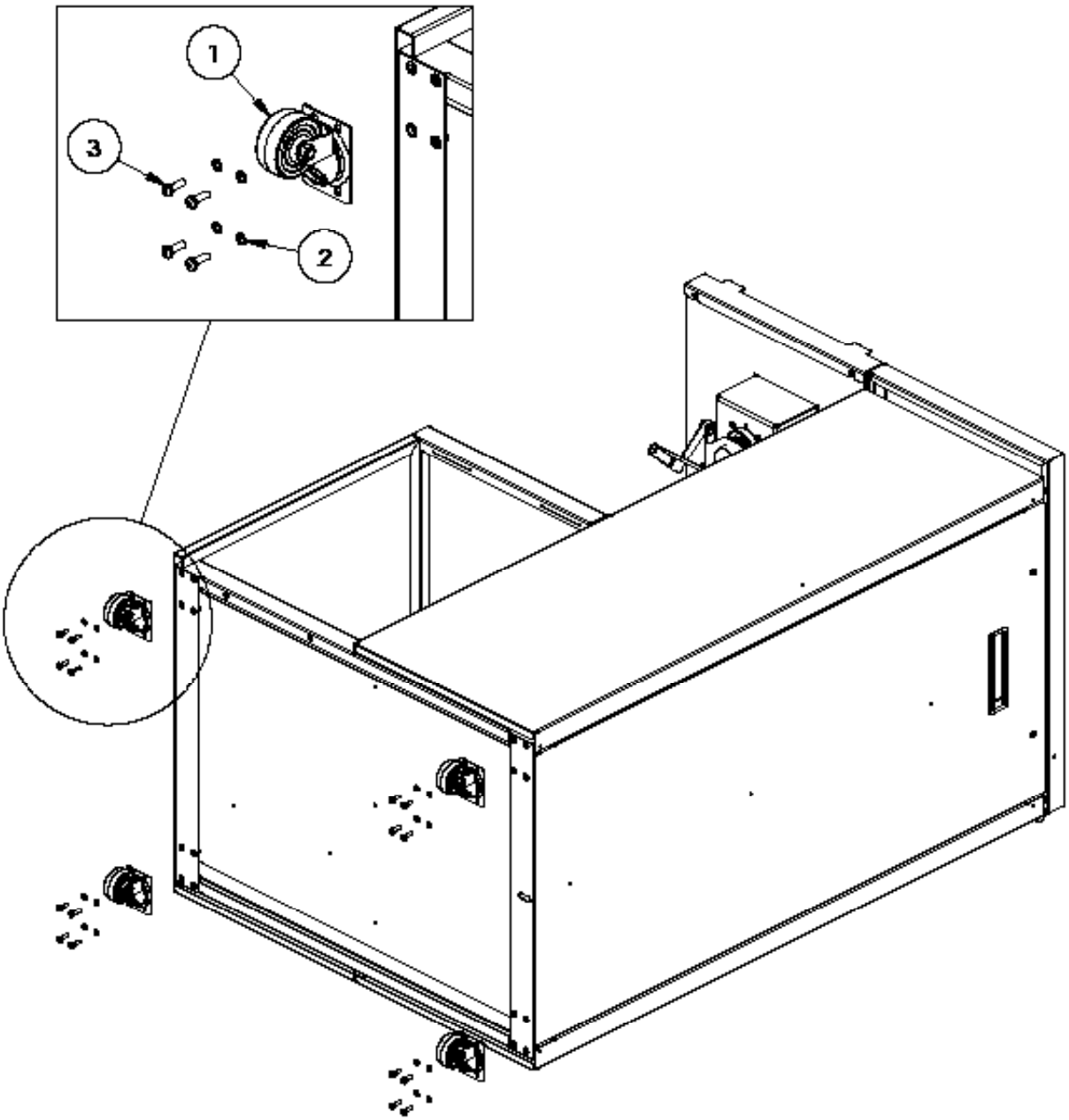
Cover, 32807 and Lid stay arm, 27265



ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	27265	Lid stay arm	1
2	03484	Spacer bracket	1
3	00165	Washer, #10	1
4	NSS*	Hex nut, M4, nylock	1
5	32809	Hinge	2
6	32807	Cover, twelve canister	5

*Not sold separately.

Casters, 32857

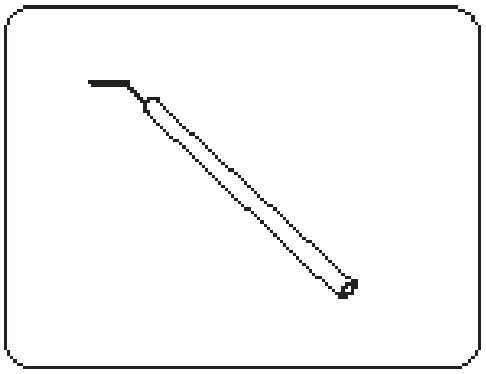


ITEM	PART NUMBER	DESCRIPTION	QUANTITY
1	32857	Caster, swivel, 2” diameter	4
2	1850164	Washer, M5, spring	16
3	F0071A005P16	Screw, PHCS, M5 x 16 MM	As needed

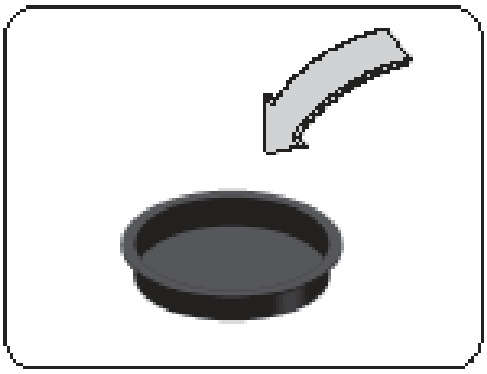
*Not sold separately.

Accutinter 1500 Maintenance items

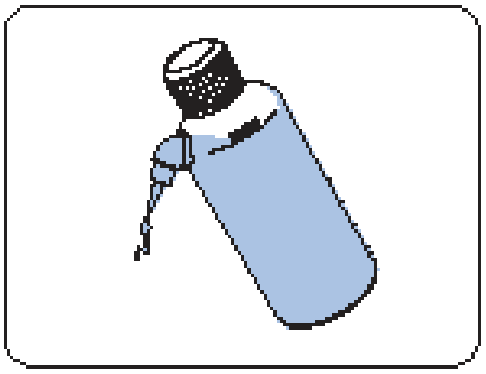
These items can be used to help keep your Accutinter 1500 clean and operating well. Daily maintenance and cleaning are crucial to your machine's performance. The main areas that need attention are the nozzles and the nozzle closer. For specific instructions, see the Maintenance, Care, and Use section on pages 45 in this manual and the daily maintenance label on your machine.



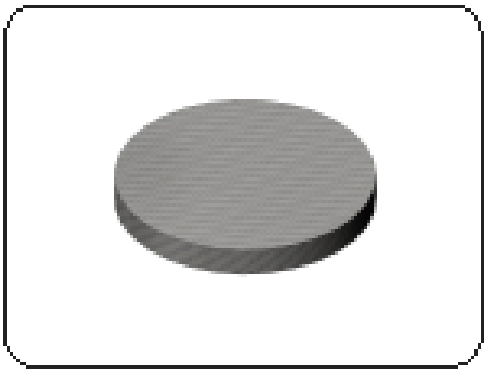
Nozzle cleaner 20763
Use the nozzle cleaner to clean the interior of the nozzle and remove any dried colorant around the nozzle.
Cleaning the nozzle is crucial to preventing misfires.



Nozzle cup liner 33221
The nozzle cup liner goes inside the nozzle cup. It helps keep the nozzles moist. It should be cleaned each day and replaced if it becomes damaged.



Water bottle 20678
Use the water bottle to add water to the cup liner so the nozzles stay moist and don't fill with dried colorant.



Absorptive sponge 32523
The highly absorptive sponge goes inside the nozzle cup liner to help protect the nozzle openings.

Appendix A
Fluid Management Statement of Limited Warranty 7/2007

FLUID MANAGEMENT LIMITED WARRANTY

WARRANTY COVERAGE

If within two years from the date of shipment any equipment covered by this warranty shall prove to be defective in material or workmanship upon examination by Fluid Management, Inc. (" SELLER"), SELLER will supply identical or substantially similar replacement equipment or parts, or at SELLERS option will repair or allow credit for such equipment. This warranty does not cover labor costs incurred by PURCHASER for repair of equipment except that the cost of labor authorized by the SELLER shall be included for repairs to the following major components for claims made during the first year following shipment or proven installation date: pumps, motors, speed reducers, power supplies, transformers, and circuit boards, relays, relay panels, and bearings. Labor is not covered for minor items such as fuses, indicator lights, or can adapters. For items not listed SELLER will determine if it is a major or minor component. All labor must be approved in advance by SELLER and performed by Fluid Management employees or Authorized Service Center.

OBTAINING WARRANTY SERVICE

While your equipment is under warranty, do not attempt on-site repairs or parts replacement without first contacting Fluid Management at 1-800-462-2466. After the warranty expires, on site servicing and parts replacement are available from an authorized service technician from Fluid Management. Contact Fluid Management's After Sales Support for arrangements. To expedite this process, prior to calling have your model number and serial number available.

EXCLUSIONS AND LIMITATIONS

Any maintenance, repairs, and replacements attributable to "Abuse" will be billed separately on a time and materials basis, which are not covered under the agreement. "Abuse" includes but is not limited to: physical damage to the equipment, excluding normal wear and tear; an Act of God; colorant in the wrong canister; colorant related issues (beads in colorant, etc.); mis-tints or fills; over-filling of canisters; operator error; lack of daily maintenance and /or abuse.

Due to computer technology advancements, Fluid Management cannot offer an extended warranty for computer and/or computer related equipment, such as monitors, printers, or other peripheral equipment. The computer warranty is that of the standard manufacturer's warranty coverage and not extends above or beyond Fluid Management's Limited Warranty agreement.

PURCHASER MUST NOTIFY SELLER OF A WARRANTY CLAIM WITHIN THIS PERIOD. NO RETURNS ARE AUTHORIZED WITHOUT A COMPLETED AUTHORIZATION FORM AND NUMBER. Any repair or replacement provided hereunder shall be warranted against defects in material or workmanship for the unexpired portion of the limited warranty. This warranty does not cover software, which is covered by a separate warranty.

DISCLAIMER

THIS WARRANTY SHALL BE APPLICABLE ONLY IF THE EQUIPMENT SHALL BE THE PROPERTY OF THE ORIGINAL PURCHASER OR USER, AND SHALL HAVE BEEN PROPERLY USED, OPERATED AND MAINTAINED IN ACCORDANCE WITH THE MANUAL OR INSTRUCTIONS PROVIDED WITH THE EQUIPMENT AND FOR THE PURPOSE FOR WHICH SOLD. NORMAL WEAR AND TEAR IS NOT COVERED BY THIS WARRANTY. THIS WARRANTY SHALL NOT BE APPLICABLE IF THE EQUIPMENT OR ANY PART THEREOF HAS BEEN REPAIRED OR REPLACED BY THE BUYER WITHOUT THE SELLER'S PRIOR PERMISSION OR HAS BEEN SUBJECTED TO ANY ACCIDENT, CASUALTY, MISAPPLICATION, ALTERATION, ABUSE OR MISUSE.

Appendix A
Fluid Management Statement of Limited Warranty 7/2007

NO OTHER WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING A WARRANTY OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, HAS BEEN OR WILL BE MADE BY OR ON BEHALF OF SELLER OR BY OPERATION OF LAW WITH RESPECT TO THE EQUIPMENT AND ACCESSORIES OR THEIR INSTALLATION, USE, OPERATION, REPLACEMENT, OR REPAIR. SELLER SHALL NOT BE LIABLE BY VIRTUE OF THIS WARRANTY, OR OTHERWISE, FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR OPERATION OF THE EQUIPMENT, WHETHER OR NOT SELLER WAS APPRISED OF THE POSSIBILITY OF SUCH DAMAGES. IRRESPECTIVE OF ANY STATUTE, THE BUYER RECOGNIZES THAT THE EXPRESS WARRANTY SET FORTH ABOVE IS THE EXCLUSIVE REMEDY TO WHICH IT IS ENTITLED AND WAIVES ALL OTHER REMEDIES, STATUTORY OR OTHERWISE. REPAIR OR REPLACEMENT SHALL BE BUYER'S SOLE REMEDY UNDER THIS WARRANTY.